

# Students may still drop courses: Inscomm elects new committee chairmen

## Deadline postponed until May 10

Students may drop courses until May 10, with the permission of their faculty advisors.

A three-week extension of the period for dropping courses (from 10 to 13 weeks) was recently authorized by the Committee on Academic Performance.

According to M. Bryce Leggett, executive officer of the committee, "It is the opinion of the Committee, in making the change, that this should allow adequate time for the student to determine the appropriateness of his registration in a subject."

After 13 weeks, students wishing to drop courses must petition the committee for permission to do so.

### According to Rorke:

## Grad student in Cuba raids

One non-Cuban MIT graduate student has participated in raids on Cuba, according to Alexander Rorke, Jr.

In an exclusive The Tech interview, Rorke claimed that the unnamed student had supplied ammunition and had gone to the Cuban mainland to instruct guerrillas in its use. Several other MIT students are active in planning and financing raids, he added.

Rorke claims to have received 50 inquiries from MIT students in the week following the Boston newspapers' release of his story of Boston area college students'

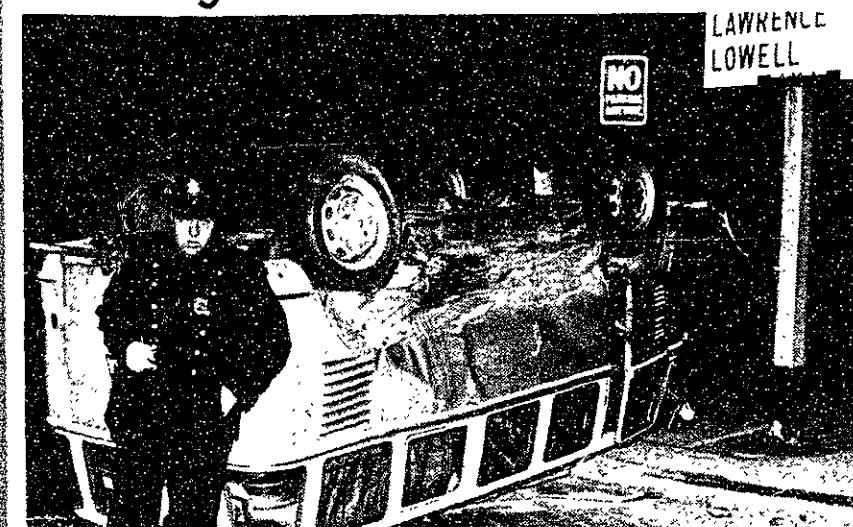
## IFC Weekend to open with Olympic Games; Fraternities pay bill

Interfraternity Conference Weekend will open Saturday at 12:30 pm with the Olympic Games on Briggs Field. It will continue with afternoon parties at Phi Kappa Theta and Zeta Beta Tau and close Saturday evening at the Armory with Johnny and the Hurricanes.

The \$2000 cost of the weekend is borne entirely by the 28 member houses of the IFC. Five hundred tickets at \$4 each have been distributed proportionately throughout the fraternity system. Additional tickets are also available.

The Olympic Games will consist of competition among the fraternities in six events. The winning house will be awarded a permanent trophy by Dean Frederick Fassett Saturday evening.

## Volkswagen overturned in collision



A Volkswagen bus slid to rest on its roof after a collision at 2:30 am Saturday. The Volkswagen was crossing Massachusetts Avenue on Memorial Drive when it was struck by a car on Massachusetts Avenue. No injuries resulted from the accident.

—Photo by Joe Baron

## Five faculty members receive commendations

Five faculty members have recently received awards from government organizations and honorary societies.

Prof. Jerome B. Wiesner, special advisor to President Kennedy for science and technology, will receive a citation from the Massachusetts Committee of Catholics, Protestants, and Jews at their meeting May 9.

The meeting has been dedicated by the Committee to "the ever widening circle of citizens who believe in and respect the rights and dignity of the individual."

Dr. Wiesner is an Institute Professor and professor of engineering. He was chief engineer for the Library of Con-

gress from 1940 to 1942, a staff member of the MIT Radiation Laboratory from 1942 to 1945, and a group leader at Los Alamos Scientific Laboratory in 1945-46. He joined the MIT faculty in 1946 and was director of the Research Laboratory of Electronics from 1952 until 1961.

Prof. Bruno B. Rossi, of the Department of Physics, was presented with the Order of Merit of the Republic of Italy for his work in cosmic ray research. Dr. Rossi was cited as "a scholar of high renown, a researcher and discoverer of superior ability" by Dr. Alfredo Trinchieri, consul general of Italy, at a ceremony at Dr. Trinchieri's home in Boston.

Edward Hoffer '65 defeated Gerald Burnett '64 for chairman of the Student Committee on Educational Policy at the Institute Committee meeting April 9.

Burnett, who has been chairman since the resignation of Al Kessler last November, had reorganized SCEP into several subcommittees. Hoffer favored action by the entire committee, and advocated a "less compartmentalized" system.

Ron Gilman '64, recent candidate for Undergraduate Association President, was elected chairman of the Freshman Coordinat-

ing Committee, defeating Stephen Dreier '64 and David Saul '64.

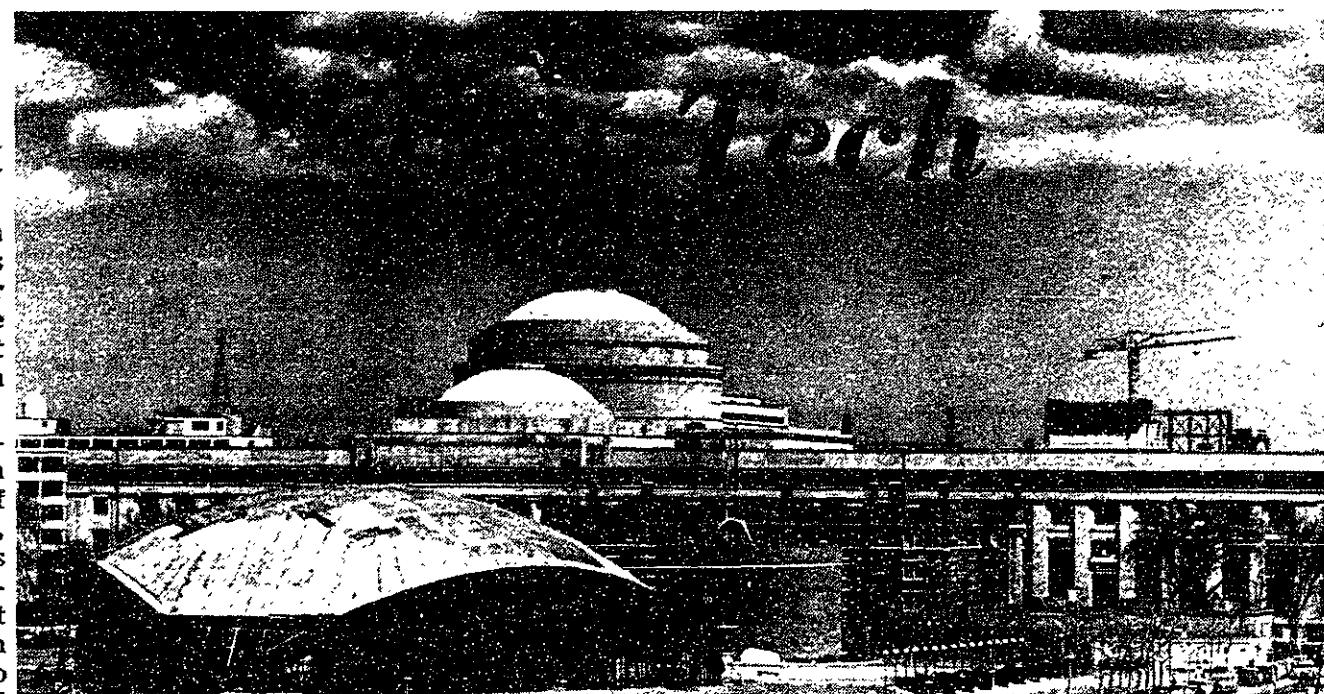
John Groves '65 defeated Terry Chandler '65 and Joseph Kirk '64 for Public Relations Committee chairman; Jack Downie '64 was elected to the Inscomm Executive Committee, defeating Mickey Rainer '64.

Members elected to Finance Board were Lee Davis '64, Lionel Kimerling '65, Steven Lipner '65, Michael Morrissey '64 and J. D. Roach '65.

Without opposition, Atif Debs '64 was named chairman of the International Student Committee,

and Larry Langdon '64 was elected secretary of Inscomm Judicial Committee. At the same meeting, Inscomm bylaws were amended to close the office of UAP and Inscomm subcommittee positions to students who would not be undergraduates for the full term of office. This provision was waived in voting for Davis, who will remain at MIT after his graduation in February, 1964.

The candidates had been interviewed by the Inscomm Executive Committee prior to the seven hour long meeting.



Vol. 83, No. 10

Cambridge, Massachusetts, Wednesday, April 17, 1963

Five Cents

## Young scientists to meet here

Three MIT freshmen and seventeen high school students will present papers on their own original research during the Junior Science Symposium here tomorrow and Friday.

One hundred fifty high school juniors and seniors and fifty science teachers from the Boston area have been invited to participate in the symposium, which will offer them a view of advanced work in science and engineering.

Dr. Edwin Land, of the Polaroid Corporation, will deliver the keynote address on the question, "How Can We Generate Scientists with a Relevant Relationship to the Past without a Redundant Relationship to the Future?"

Dr. Hans Lukas Teuber, head of the Psychology Section, will give a talk on "Brain and Behavior;" Dr. Charles H. Townes, professor of physics, will lecture on "Lasers and Masers;" and Dr. C. Stark Draper, head of the Department of Aeronautical and Astronautical Engineering, will discuss "Guidance and Space Vehicles."

The students will spend two full afternoons observing and participating in experimental work

### Selective Serv. test slated for tomorrow

The Selective Service Qualifying Examination will be administered tomorrow morning at 8:30 am. All freshman classes will be suspended from 9:00 am to 1:00 pm.

Although local boards are now permitted to vary their deferment requirements, a score of 70% is passing.

by both staff members and students.

There will also be a period for visitors to ask questions of a panel composed of representatives of the Institute, government, and industry, moderated by Prof. Roland B. Greeley, director of admissions.

High school students will present papers on such topics as "DNA and Its Role in Bacteriophage," "The Effect of a Second Head on Planaria," "Transmitting Audio Signals by Means of Am-

plitude and Frequency Modulated Light," and "Multinomial Expansion."

MIT freshman David S. Mundel, Alan A. Tobey, and Robert S. Zucker will also deliver papers concerning their research conducted in connection with freshman seminars.

The fifty teachers will observe and discuss scientific work at other high schools and will participate in a special program prepared by the MIT Science Teaching Center.

### Main lot to close

## Parking spaces changed

By Dave Nolan

Students formerly using the East and West Campus parking lots will with few exceptions be reassigned to Westgate West and to Technology Square, according to Albert F. Sise, associate director of the Office of Personnel Relations. This change was necessitated by the closing of the main parking lot to allow for the construction of the new Materials Science Building.

This closing has resulted in the loss of several hundred parking spaces formerly used by faculty members and employees of the Institute. Consequently, the Institute Parking Committee recalled all student parking permits as of April 14, preparatory to a general reassignment.

According to Sise, those persons formerly using the main lot will be using the east and west lots, and the students will use

lots farther out. For this purpose, the Institute has opened up the Westgate West parking lot and has rented 450 parking spaces in Technology Square.

There are also 25 spaces near the Sloan Building to be used by a few students who have their classes primarily there. The Burton House parking lot will retain its present status.

Sise also reported that the total number of student parking spaces will be unchanged. However, a temporary shortage is foreseen for the fall term, due to construction scheduled to begin over the summer.

Future plans include construction of a new 400-car parking garage on Vassar Street, tentatively scheduled for completion by February, 1964. Also scheduled is an increase in scooter parking accommodations, aimed at encouraging the usage of scooters instead of cars wherever possible.

cation and to research on feedback-control and servomechanism theory.

A native of Australia, Dean Brown came to the United States as an MIT student in 1929 and became a member of the faculty after receiving a Sc.D. degree in 1938. He was the first director of the Servomechanisms Laboratory, established in 1941. In 1952, he was appointed head of the Department of Electrical Engineering. He became Dean of the School of Engineering in 1959.

Prof. Manson Benedict and Prof. David N. Hume each received a \$1000 award from the American Chemical Society.

(Please turn to page 12)

# Barrett talks on Mariner's radiometer study of Venus

Professor Alan H. Barrett delivered the first of two lectures on the Mariner II spaceprobe at last week's COMPASS seminar. The subject of the lecture was 'The Results of Microwave Experiments on Mariner II.'

Dr. Barrett was largely responsible for the microwave apparatus aboard the Mariner II—the source of the recently published data regarding the high temperature on the surface of Venus. Radiation indicating the presence of high-temperature regions has been observed since 1956 from earth-based telescopes, but no one could determine whether the source was at the surface or a high altitude. Mariner II showed definitely that the radiation was from the surface, where temperatures are somewhere near 400-600 degrees Kelvin.

There were two microwave channels on the spaceprobe, at 13.5-mm. and 19-mm. wavelengths. In addition, there were two infrared channels at 8.9 and at 10.10.8 microns. The microwave radiometers were calibrated 23 times in flight to determine if their sensitivity had changed during the 109-day flight. This was accomplished by firing a noise tube at the radiometer input. Thus the instruments could report any changes in sensitivity as a result of temperature changes.

The 13.5-mm. radiometer decreased in sensitivity during the transit and ended up with a signal considerably weakened at en-

counter. The 19-mm. radiometer's sensitivity decreased and read negative with a phase shift.

Internal temperatures in the range of 80-100 degrees F. were expected in the instruments, as the reflectors on the probe were designed to keep the temperature constant at this level. At Venus, however, temperatures inside the craft of 187 to 250 degrees were measured.

The purpose of the Mariner II radiometer measurements was to determine the high temperature source of the previously measured radiation from Venus. It has been impossible to determine whether the radiation originates from the surface or at high altitudes. The method of determining which of these two sources is responsible is to have the space probe scan the planet, measuring the intensity as a function of the angle at which the planet is being viewed.

The probe showed that the radiation is more intense when viewed straight toward the center of the planet. This effect is called limb darkening because the sides of the planet—its limbs—were found to be darker than the center; the surface is the source of the radiation, since the thicker atmosphere through which the surface is viewed when seen obliquely absorbs the radiation.

In the original plans for the Mariner, a Centaur booster was to be used although it can carry a much heavier payload than the Atlas-Agena which was finally chosen, it is less accurate. The

payload was consequently reduced and the size of the experiment sacrificed.

The radiometer, which was the largest part of the payload had to be cut and the 8-mm. and 4-mm. radiometers which had been originally planned were removed. The remaining frequencies were chosen as more sensitive to the limb darkening effect, as atmospheric attenuation varies with the square of the wavelength.

The microwave equipment used 3.5 watts of power during operation, with a peak power consumption of 8.9 watts during noise tube operation. The microwave apparatus weighed 23.5 pounds and the radiometer antenna had a diameter of 48.5 cm.

At encounter the antenna was set to scan with an angular extent of 12.5 degrees at a nominal rate of 0.1 degree per second. This was turned on approximately six and a half hours before encounter.

The scan of the surface shows no significant difference in the temperature across the planet except the limb darkening effect.

There was found to be no detectable carbon dioxide above the cloud layer, although earth-based measurements have determined it to be a major component of the atmosphere.

An infrared radiometer, rigidly attached to the microwave antenna, scanned the same regions of Venus simultaneously. The radiometer was sensitive to 8.4- and 10.4-micron wavelengths.

At these wavelengths earth-based measurements indicate a temperature below zero Fahrenheit, but the origin of the radiation on which this measurement was made is not known. As with the microwave radiation, an experiment was needed to determine whether the radiation comes from the high atmosphere, the tops of clouds, or the surface.

There have been observed on the planet irregular markings in the clouds. If these were cloud breaks, they could be detected in the infrared region much more easily than in the visible region.

If the observed radiation had come from cloud tops, and there were no breaks, the same temperature reading would be obtained from both radiometers. If there were breaks, a difference would be noted, providing the breaks were large enough. This is a result of the absorption of the 10-micron band by carbon dioxide and the passage of the 8-micron band.

A preliminary analysis of the data obtained gives approximately the same readings at both wavelengths.

If the clouds had been broken, the 8-micron band would have penetrated between the clouds into the warmer lower atmosphere and registered a higher temperature. The 10-micron waves would not have, because of the carbon dioxide which earth-based measurements have found to be an important component of the Venusian atmosphere.

The infrared radiometer ob-

served limb darkening also, indicating the cloud layer is translucent like a thin fog.

One of the unexpected facts discovered by Mariner II was the presence of a spot in the planet's southern hemisphere which measured 20 degrees Kelvin colder than the surrounding clouds. This may be due to some unknown surface feature—as the mountain range discussed in a recent issue of Life.

Other instruments on the Mariner II were a magnetometer, an ionization counter, a Geiger-Muller counter, and a cosmic dust counter.

The magnetometer measured both the magnetic field around Venus and the interplanetary field encountered in transit to Venus. Each of three mutually perpendicular coils contained a magnetic core with a primary and a secondary winding.

A current sufficient to saturate the core was run through the primary winding. The current induced in the secondary provided a measure of the component of the magnetic field parallel to the core.

The ionization chamber and the Geiger-Muller counters were designed to measure interplanetary radiation as a function of position.

The cosmic dust counter was to perform measurements of the concentration of interplanetary dust. This device was essentially an acoustical detector—a magnesium plate and a crystal transducer. The measurements were designed to obtain information of the origin of the dust as well as its concentration and to compare the values obtained with those similarly measured by earth satellites and calculations based on other data.

These calculations give an estimate of the density which is less than one thousandth of the value measured near the earth by satellites and has resulted in the supposition that the earth may be the center of a swarm of dust.

Also conducted was a solar plasma experiment, consisting of an electrostatic analyzer which had two concentric cylindrical plates with a variable voltage across them. The device could admit particles of different energies to a charge counter as the voltage varied. The orientation of the analyzer determines the direction from which the ions are coming, yielding some very explicit information on the concentration and momentum of the ions as functions of the position of the craft.

## Scandinavian Seminar Offers Study Abroad

A year's living and learning experience in one of the Scandinavian countries is being provided for American undergraduate and graduate students by the Scandinavian Seminar.

During the year, home stays and short seminar courses are combined with an extended period of residence and study in a Folkenhojskole, an adult education center. The combination is designed to bring the students into very close contact with the life of the country. An independent study project is also required of each student.

The curriculum of the Folkenhojskole is confined mainly to liberal arts subjects with emphasis on Scandinavian literature, language, art history, and social studies.

The 1963-1964 academic year marks the 15th year of operation of the program. The cost for tuition, room and board for the nine months, language materials, and transportation from New York to Copenhagen is \$1780. A limited number of loans are awarded each year to qualified applicants.

Information is available from the Scandinavian Seminar, 121 East 73d Street, New York 21.

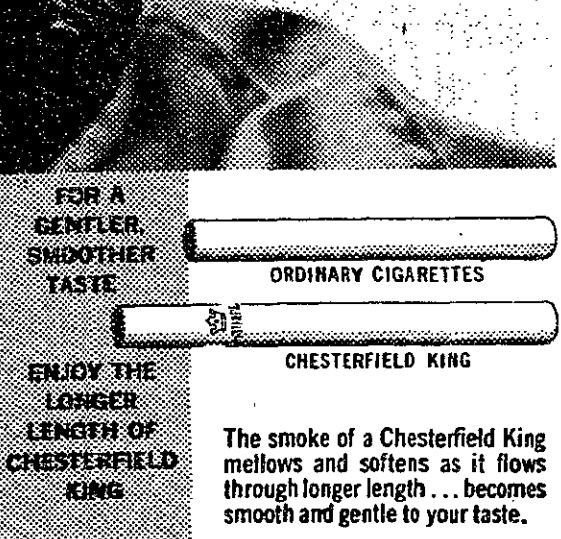


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## Time-sharing plan allows expanded use of computer

Time-sharing, a recently developed system of computer operation, will have enormous impact on computer applications and methods, according to Professor Philip M. Morse, Computation Center director.

The system makes possible the use of a machine by many people simultaneously, eliminating waiting in line or leaving programs to be processed by a machine operator.

Five people can now use the center's IBM 7090 at once, each with a separate control console to direct the computer's actions. The number of people able to work simultaneously will soon be increased to 21. A central computing facility will be connected to more than a hundred time-sharing consoles, some in classrooms and some in laboratories.

Each user has at his disposal a device permitting instantaneous two-way communication with the computer. Using it, he can pose the initial problem, obtain and examine intermediate results, restructure the problem if necessary, and run it again without delay.

Time-sharing will make it possible to bring the electronic computer to the user instead of

## Academic freedom at issue

## AEC, Harvard negotiating CEA contract

By George McQuilken

Representatives of the Cambridge Electron Accelerator, jointly owned by MIT and Harvard, have been engaged in year-long negotiations with the United States Atomic Energy Commission over control of the \$12-million accelerator, the largest in the world.

Under the contract presently being considered, the Atomic Energy Commission would provide five million dollars annually for the operation of the CEA. However, neither the accelerator staff nor the AEC is pleased with the contract provisions.

According to Robert E. Cummings, assistant director of the CEA, "We have been negotiating and the contract has been settled, but has not yet been signed. Until the signing, the AEC is supplying money on a month-to-month basis." Cummings termed the resulting administrative situation "sort of ridiculous."

The operation of the CEA is not impaired in any way by the present arrangement, Cummings said. However, once the contract is signed, he feels, it may impose some restrictions on faculty members and students who use the accelerator.

The accelerator was financed by the AEC but stands on Harvard land. It is directed by a panel of five MIT and five Harvard men. Harvard University is empowered to negotiate contracts, which must subsequently be approved by the ten-man panel.

### Controversy arose

The present controversy arose last spring when Harvard and AEC officials began negotiating the contract for the first-year operating expenses of the accelerator. The contract proposed by the Atomic Energy Commission included a number of requirements which Harvard termed "objectionable."

The AEC, however, labeled these requirements "matters of national policy." The requirements reportedly came as a surprise to Harvard officials, since the 1956 contract initiating construction of the accelerator had not mentioned the possibility of federal control.

Within the past three years, Congress has authorized the AEC

to impose restrictions on projects in which it has a substantial interest, whether or not the projects are classified.

At present, no CEA work is classified. However, the AEC paid for construction of the \$12-million accelerator. Moreover, the accelerator's operating costs have risen to \$5 million per year from the \$750,000 originally proposed. The Atomic Energy Commission therefore believes that it has a substantial financial interest in the CEA.

Harvard officials, on the other hand, contend that academic freedom is at issue. Harvard absolutely refused to sign the contract.

### Objectionable demands

The requirement which Harvard found most objectionable in the AEC contract was that the AEC must have power to regulate all exchange of information between CEA staff members and Soviet-bloc scientists. The commission's proposal required that technical information could be released to Iron-Curtain nations only in return for "equally valuable information" released to the United States.

According to Harvard President Nathan Pusey, this requirement "irritated the faculty greatly and would have been a serious abridgement of the right of every faculty member to do research and speak freely about his results."

After long negotiations, the requirement was deleted, and replaced by a new clause reading: "Requests for unpublished information from foreign nations may be filled, but, when appropriate, information will be requested in return."

A second provision, also considered "objectionable" by Harvard, was kept intact. It requires that the CEA make a check of the jobs and addresses during the past fifteen years of any alien it wishes to employ. Job applications must be submitted to the Atomic Energy Commission for approval. The contract gives the commission ultimate authority to decide whether a Soviet-bloc alien may be employed.

Visits limited

A third "objectionable" provision of the contract proposed by the Atomic Energy Commission restricted visits to the accelerator. The AEC was to have the power to prohibit any visit planned by CEA officials; and the CEA was to be required to furnish a detailed report on the visit of any guest from the Communist Bloc.

After negotiation, the restrictions on general visitors were removed. All formal tours by Iron-Curtain scientists must be approved by the AEC.

After Harvard negotiators rejected the original contract, the AEC agreed to revise its demands. In February, the commission approved liberalization of the original requirements.

Had the commission not compromised, according to L. Gard Wiggins, administrative vice-president, Harvard "probably would have refused to operate the accelerator." However, the possibility of a shutdown no longer exists, Cummings believes.

The accelerator personnel include a permanent staff and a group conducting experiments. Because of MIT's large Physics Department, the majority of the experimenters are from MIT.

According to Cummings, the status of the experimenters will not be changed by the new contract. He feels that the contract will affect only the permanent staff of the accelerator.

## Phi Lambda Upsilon elects officers; Cooper president

The Beta-Alpha chapter of Phi Lambda Upsilon, an honorary chemical society, recently elected officers.

The officers elected were: President, William W. Cooper, '63; vice-president, John C. Uhrmacher, '64; treasurer, Paul De Montellano, '64; corresponding secretary, Paul Fehder, '64; and recording secretary, Richard Bernstein, '64.

The society is open to students of Courses 3, 5, 7, 10, and 20.

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### FCC to hold smoker today in Jackson Room at 4:00

A smoker for all those interested in joining the Freshman Coordinating Committee will be held today from 4:00 to 5:30 pm in the Jackson Room, 10-280.

Within the past three years, Congress has authorized the AEC



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# THE TECH

Vol. LXXXIII No. 10 Apr. 17, 1963

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The Tech welcomes letters from its readers. Space permitting, such letters will be printed in whole or in part, if deemed by the editor to be of sufficient interest or benefit to the community. Brevity increases the chance of publication. Anonymous letters will not be printed, but names will be withheld upon request.

Deadlines: Noon Thursday—advertising; 3:00 pm Saturday—features, activities, letters to The Tech; 11:00 pm Saturday—photography; noon Sunday—sports, entertainment; 7:00 pm Monday—news.

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## Less red tape

Students can now drop courses without filing a petition up to 13 weeks after the beginning of a term. As petitions have been approved in almost every case in the past, the old ten-week deadline meant only that post-deadline cancellations required much more time and trouble; it did not affect significantly the end result. The new limit should eliminate most of this needless red tape, as few students will remain undecided about dropping a subject as late as the 14th week.

We welcome this needed freedom.

## Bexley I

Plans are now progressing for the conversion of the Bexley Hall apartments to a men's residence hall.

Some administration officials expect that upperclassmen will not show much interest in moving there next fall. They predict that only about one-third of the residents will be upperclassmen.

We feel that they have greatly underestimated the interest in apartment living. Nearly one-fourth of the undergraduates already live in off-campus housing (not counting fraternities). We are sure that many more would do so if proximity to the Institute and fellow students were not lost.

Bexley has many of the advantages of apartment living:

1. SPACE—most Bexley apartments have more useable floor area per person than any room or suite in the present undergraduate men's housing.

2. COOKING—all apartments have kitchenettes, which allow residents to eat what they want, when they want. By cooking, they may eat better and more cheaply than they can on commons.

3. COST—residents doing their own cooking can get 21 meals per week for less than the cost of 15 on commons. Even with the higher-than-average rent in Bexley, kitchenettes lower living cost to under \$450 per term.

4. PRIVACY—each apartment is a complete unit, with bedroom, bathroom, kitchenette, and living room. Thus residents do not have the often unwanted but unavoidable contact with others resulting from communal lavatories, lounges, and dining halls. Bexley's multi-room arrangement allows greater diversity of activity than is possible in a dormitory—for example, one resident can study without disturbing those who are sleeping. Furthermore, Bexley is quieter and hence has better study conditions.

Bexley, as it is now, seems ideal for many students. We are sure that many more upperclassmen will apply than the administration expects. However, MIT is attempting to make Bexley as much like a dorm as possible. This is unfortunate: If Bexley is made enough like a dorm, there will indeed be some difficulty getting upperclassmen to move in.

## Who's teaching?

It has been MIT's practice not to announce in advance the instructors for its subjects, but rather the name of the faculty member in charge of each. We feel that this practice should be altered in many elective subjects.

Proponents of the status quo contend that students should choose subjects by the material covered, not the instructor's reputation. This is a naive and unrealistic attitude for educators.

In required subjects the present system is beneficial in that it discourages schedule jockeying. But in upperclass and graduate elective subjects, particularly those in which the same person gives both lecture and recitation, announcement of instructors before Registration Day would definitely be desirable.

If a student considers a course essential, he will take it at one time or another, regardless of the instructor. But if, for example, he is debating between two elective courses, instructor information could and should be a significant factor in his choice. And not only from the teaching quality point of view—for purely professional reasons he might legitimately prefer one instructor to another.

This point is too often overlooked by advocates of the present system. There are legitimate preferences; this is not simply a chance to pick an easy instructor. It should be acknowledged that most MIT students are seeking value, not triviality, in their MIT years.

This proposal will not lead, as has been asserted, to a mass exodus from courses taught by younger members of the faculty to those taught by their elders. By his junior year probably every MIT undergraduate has convinced himself that even full professorship need not imply good teaching ability.

Finally we are confronted with the claim that instructors for some courses have not yet been selected at the time registration material is issued. In such cases, late information could obviously be posted just before Registration Day. We urge a start on this plan by next fall.

## Kibitzer

By MICHAEL LINAH

The first thing our hero, South did after winning the club in due my was to pitch a small spade not a diamond or heart, from his hand. Next he led a spade from dummy, West's ace taking South's king. West led another club, dummy won, and South pitched another spade from his hand. South re-entered his hand with a spade.

South's plan was first to try the heart suit, then the club suit, and then the diamond suit. If any suit broke his contract, he was home. As it can be seen, all suits fail to break favorably. But South made his contract anyway, owing to a favorable fluke. South tried the hearts, cashing the ace, king and queen and pitching a small diamond in dummy. When East showed out on the third round, South knew that the suit would not break. But meanwhile East is facing an impossible situation:

When South led the queen of hearts, he pitched a diamond from dummy. Whichever suit East discards from is unguarded and South has his contract fulfilling trick via a squeeze.

South next will go to dummy with a diamond play and the ace and king of clubs pitching his last hearts. If East has saved his clubs, South can run the diamonds. If East saved his diamonds, the long club will be got for South fourth diamond.

South, a player who will readily admit to having made many squeezes, felt happy at having made his first squeeze. "I saw this position from trick three," he said.

(Please turn to page 5)

NORTH	♦ 8 3
	♥ 10 2
	♦ A Q 6 3
	♣ A K Q J 4
WEST	
	♠ A J 10 5 2
	♦ J 9 8 5
	♣ 2
EAST	♦ 9 4
	♥ 7 4
	♦ J 10 9 8
	♣ 10 9 8 7 6
SOUTH	♦ void
	♣ K Q 7 6
	♦ A K Q 6 3
	♦ K 7 5 4

The bidding:

SOUTH	1 ♠	WEST	pass
	2 ♠		pass
	4 no trump		pass
	6 ♦		pass
NORTH	2 ♣	EAST	pass
	3 ♦		pass
	5 ♠		pass
	6 no trump		all pass

West led the five of clubs.

"Virtue is its own reward," but it often pays off materially. Today's South took pains to play his slam contract well, and was paid off in an unexpected way.

Give this hand to someone who thinks he knows how to play bridge, especially a duplicate player, and he will probably go down. Cover the East-West hands and try to make six notrump yourself.

If you get greedy and try to run thirteen tricks by playing for the clubs and or hearts to break with the diamonds, you will wind up with eleven tricks as none will break well.

## Inside Inscomm

Foreign opportunities data listed; Open meeting planned April 30

by Jerry Luebbers, UAP

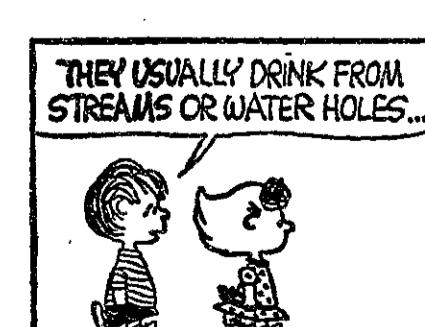
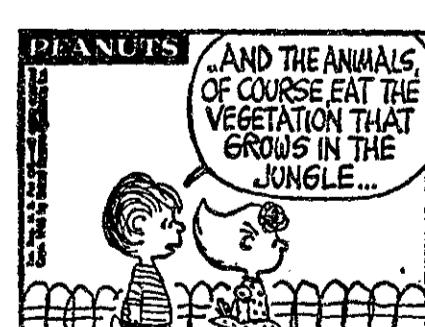
A meeting of students and faculty intimately concerned with foreign opportunities was held last Friday. Out of this meeting has come an idea of both the present and projected future status of foreign opportunities. The topic divides conveniently into summer travel and work experiences, and foreign study opportunities.

It is the former area, summer travel and work, that was discussed directly in last Friday's meeting. Mr. Thomas W. Harrington, of the MIT Placement Office, has volunteered the services of both himself and his staff to gather information regarding existing programs designed to put American students in foreign countries. As was made clear Friday, there are a myriad of these programs, some good and some bad. Eventually, although Mr. Harrington cautioned that it would take time, he hopes to be able to supply MIT students with not only factual information, but with eval-

uations, people to see, and steps to take.

In addition, it was intimated that the future, assuming sufficient interest, might even include facilities to aid in obtaining necessary travel and working papers. In order to familiarize the MIT community with programs now available, a list is presently being compiled, and will be available shortly. Finally, an open meeting has been scheduled for Tuesday, April 30 (5:00 in the Kresge Little Theater), at which opportunity will be afforded interested students to ask appropriate faculty members about fellowships, work opportunities, or foreign travel programs now operative on the MIT campus.

Foreign study during the academic year has been a topic of special interest to Paul Shapiro. Paul has been gathering faculty, administration, and outside comment which are proving valuable guideposts. We hope to be making new inroads into the problem as soon as faculty liaison is established.



PEANUTS appears daily and Sunday in the Boston Herald



## Metcalf art exhibit at Hayden Library Gallery

Drawings and watercolors by Conger Metcalf, Boston artist, are on exhibition in the Hayden Library Gallery.

Mr. Metcalf studied at the Boston Museum School and studied painting under Grant Wood and Karl Zerbe. He received the Tiffany Foundation Prize in 1938 and a Paige Traveling Scholarship in 1940. He won first prize in paint-

Most of the artist's works are portraits, and he frequently depicts childhood scenes.

The Gallery is open daily from 10:00 am to 5:00 pm and Saturdays and Sundays from 1:00 to 5:00 pm.

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## movies...

## Danny Kaye comedy at Mayflower

By Gilberto Perez-Guillermo

A comedy which makes free use of the visual joke in the silent tradition, "The Man From The Diners' Club" is often very funny. This is achieved without in any way neglecting the comic resources of sound in films. "The Man From The Diners' Club" is by no means at the level of Chaplin, Keaton or even the best Lloyd, but it is inventive and amusing just the same.

The basic situation is similar to that in many comedies: a comic hero fighting the forces of evil. In "The Man From The Diners' Club," the story concerns a club employee (Danny Kaye) who approves by mistake a credit card application from a notorious gangster (Telly Savalas). In fear of losing his job (especially since he plans to be married), he tries to fix the error and, as a result, gets mixed up in the gangster's plans to leave the country.

Danny Kaye is no Charlie

### Movie Schedule

Tuesday, April 16, through Tuesday, April 23. (Unless otherwise stated, the Sunday schedule is the same as the weekday schedule except that no movies are shown before 1:00 pm.)

**ASTOR** — "The Longest Day," 8:15; Wednesday, Saturday, Sunday, 2:00; Sunday, 7:30

**BEACON HILL** — "Miracle of the White Stations," 10:00, 12:00, 2:00, 4:00, 6:00, 8:00, 10:00; Sunday, 1:30, 3:30, 5:30, 7:30, 9:30.

**BOSTON CINERAMA** — "How the West Was Won," evenings, 8:30; matinees, 2:00; Sunday, 4:45

**BRATTLE** — "Odd Obsession," 5:30, 7:30, 9:30; matinee, Saturday, 3:30; Sunday, Tuesday, Wednesday, Cleo from Five to Seven, 5:30, 7:30, 9:30; matinee Sunday, 3:30; Shows Monday, April 22.

**CAPRI** — "David and Lisa," 10:00, 12:00, 2:00, 4:00, 6:00, 8:00, 10:00

**COOLIDGE CORNER** — "Son of Flubber," 9:20, 2:35, 5:50, 9:15; "Race of the Lion," 11:45, 5:15, 7:45

**EXETER** — "Playboy of the Western World," 2:10, 3:55, 5:45, 7:30, 9:20

**FENWAY** — "Sundays and Cybele," (no times available)

**GARY** — "Lawrence of Arabia," evenings, 8:00; matinees, 2:00

**HARVARD SQUARE** — Starting Friday, "To Kill a Mockingbird," 2:00, 4:30, 7:00, 9:20. Next Wednesday, concert by Ferruccio Tagliavini, tenor, 8:30

**KEITH MEMORIAL** — "The Birds," 9:50, 12:10, 2:30, 4:50, 7:10, 9:30; Sunday, 1:00, 3:06, 5:12, 7:18, 9:24

**LOEW'S ORPHEUM** — "My Six Loves," 11:25, 3:50, 6:15, 9:40; Sunday, 2:35, 5:55, 9:15; "Wonderful to be Young," 9:50, 1:15, 4:40, 8:05; Sunday, 4:20, 7:35

**MAYFLOWER** — "Man from the Diner's Club," 11:15, 2:35, 5:55, 9:15; Sunday, 2:30, 5:50, 9:10; "Fury of the Pajans," 9:45, 1:00, 4:20, 7:40; Sunday, 1:00, 4:15, 7:35

**MIT** — Friday, "Smiles of a Summer Night," Room 10-250, 6:00, 9:00; Saturday, "The Notorious Landlady," Room 10-250, 5:15, 7:30, 9:45

**MUSIC HALL** — "Girls of the Night," 10:00, 12:35, 3:10, 5:45, 8:20; Sunday, 1:00, 3:35, 6:10, 8:45; "Voodoo Village," 11:27, 2:02, 4:37, 7:12, 9:47 Sunday, 2:27, 5:02, 7:37, 10:12

**PARAMOUNT** — "Days of Wine and Roses," 10:20, 1:00, 3:45, 6:30, 9:15

**PENTHOUSE CINEMA** — "Miss Julie," April 18-20, 7:00, 9:30

**PILGRIM** — "As Nature Intended," 10:00, 1:00, 4:00, 7:00, 9:45; Sunday, 1:00, 3:55, 6:55, 9:55; "Dangerous Charter," 11:20, 2:20, 5:20, 8:20 Sunday, 2:00, 5:19, 8:15

**SAXON** — "Mutiny on the Bounty," evenings, 8:15, matinees, 2:15

**WELLESLEY COMMUNITY PLAYHOUSE** — Through April 18, "The Delicate Delinquent," "Jack the Giant Killer," evenings, 7:45; matinees, 2:00. Starting April 19, "Son of Flubber," April 19-20, 10:00, 1:00, 4:00, 7:45; other days, evenings, 7:45

**UPTOWN** — "Forty Pounds of Trouble," 11:00, 2:30, 6:00, 9:35; Sunday, 2:40, 6:10, 9:35; "Who's Got the Action," 12:45, 4:20, 7:55; Sunday, 1:00, 4:25, 7:55

**LOEB DRAMA CENTER** — "The Braggart Warrior," April 23-27, 8:30

**WILBUR** — Through April 21, "Mary, Mary," evenings, 8:30; matinees, Wednesday, Saturday, 2:30. Starting April 22, "Here Today," evenings, 8:30

THE MAN FROM THE DINER'S CLUB: directed by Frank Tashlin; produced by Bill Bloom; screenplay by Bill Blatty, based on a story by John Fenton Murray and Mr. Blatty; photography by Hal Mohr; with the following cast:

Ernie Klenk	Danny Kaye
Sugar Pyle	Cara Williams
Lucy	Martha Hyer
Foots Pulardos	Telly Savalas
Martindale	Everett Sloane
Ben Frampton	Kay Stevens
Bassanio	Howard Caine
George	George Kennedy
Mooseghan	Jay Novello
Ella Trask	Ann Guilbert
Minister	Ronald Long
Quas	Mark Tobin
Buzzy	Cliff Carnell
Jerry	Edmund Williams
1st Beatnik	Dean Stanton

At the Mayflower Theatre, Boston.

Chaplin, but he is an able comedian—the scene with his tie stuck in the filing machine is only one example—and the success of many of the situations is due in no small part to his performing abilities. Cara Williams, in the role of the gangster's girl, makes an effective supporting comedienne.

The film is expertly directed by Frank Tashlin, doubtlessly one of the most significant talents in the comedy of recent years. Tashlin, director of several of Jerry Lewis's films, has a sense of the visually comic which is rather uncommon in present-day Hollywood. Some of the best visual situations are concerned with modern mechanization—Mr. Kaye is over-sensitive to the sounds and lights of computers in the Club office. If memories of Chaplin's great "Modern Times" are repressed, the Tashlin situations will appear unusually funny. Indeed, the sequence with the filing machine is splendid, constructed with great skill and attention to many minor details, in the best comic tradition.

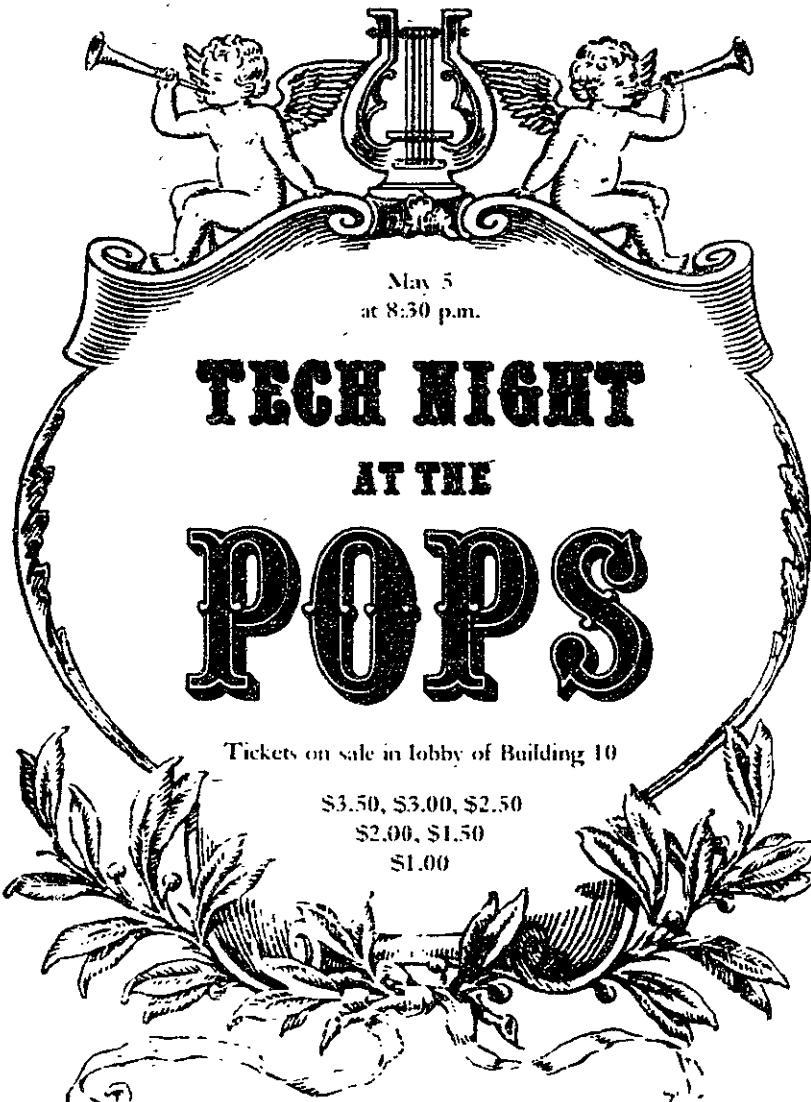
Some effects are possible only in sound films. After a mention of the gangster's girl's stupidity, to which Mr. Savalas answers "What do you mean, bird brain?" comes a cut to a back view of Miss Williams walking. A similar device is employed when the gangster asks "What fool is going

to approve a Diners' Club card for me?" followed by a cut to Mr. Kaye working.

Generally, Tashlin's situations are devised with talent, care, imagination and an unusual knack for the comic. Occasionally, one finds them a trifle overdone—the massage scene, funny in parts as it may be, is an example. For the most part, they are effective—the scene when Mr. Kaye is asked to try some shoes on is an excellent illustration. At times, the humor is rather elegant. After Mr. Kaye's boss has scolded him for approving a credit card for a dog, the boss's assistant barks, somehow recalling the chicken sequence in "The Gold Rush." The scene at the marriage rehearsal, when Mr. Kaye's fiancee (Martha Hyer) tries to find out where he has been, is another example of a more subtle, refined humor.

Tashlin has an unusual gift for satire, which may be detected even in the most inconsequential comedy plots. "The Man From The Diners' Club," with the card club's sponsorship and everything, is still mildly satirical of the way of life where money is out of fashion. This is specially clear in the restaurant sequence, when Mr. Kaye and his fiancee are eating. As he intends to pay the bill in cash, his employer interrupts. "Cash!" cries the boss, "how low can you get?" Mr. Kaye tears up the money and brings out his credit card. The scene is doubly effective, since the audience was made aware, in the previous conversation, of the couple's financial difficulties. Occasionally, a satirical view of American life is present—as in the coffee-break rush.

"The Man From The Diners' Club" is by no means a complete success—the final sequence, with all the visual effects of the gymnasium chase, fails to come through as happily as the rest. The film is, at any rate, a worthwhile comic experience.



### Theatre Schedule

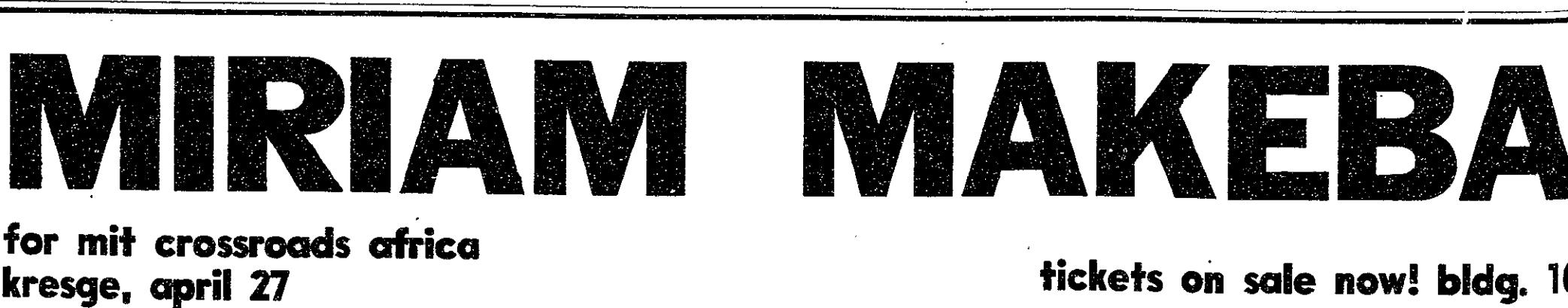
ACTORS PLAYHOUSE — "Knit One, Purl Two," 8:00

CHARLES PLAYHOUSE — "Candida," Wednesday-Friday, 8:30; Saturday, 5:30, 9:00; Sunday, 3:00, 7:00

IMAGE — "The Master Builder," Tuesday-Friday, 8:30; Saturday, 5:00, 9:00

LOEB DRAMA CENTER — "The Braggart Warrior," April 23-27, 8:30

WILBUR — Through April 21, "Mary, Mary," evenings, 8:30; matinees, Wednesday, Saturday, 2:30. Starting April 22, "Here Today," evenings, 8:30



**Met comes to Boston;  
Will stay through Sun.**

The Metropolitan Opera's 29th annual visit to Boston will run through Sunday at the Music Hall.

The program includes:

'Die Meistersinger von Nueberg' — Wagner, 8:00, April 17.

'Cavalleria Rusticana' — Mascagni, and 'Pagliacci' — Leoncavallo, April 18, 8:00.

'Othello' — Verdi, 8:00, April 19.

'Fledermaus' — J. Strauss, in English, 1:30, April 21.

'Il Barbiere di Siviglia' — Rossini, 8:00, April 21.

'La Traviata' — Verdi, 1:30, April 21.

**movies . . .**

**Film of Synge play shown at Exeter**

By Charles Foster Ford

"There is a world of difference between a pretty story, and a dirty deed." Thus Siobhan McKenna sums up the comic and the tragic strengths of Synge's play 'The Playboy of the Western World.' While Christie Mahon's parricide remains a tall tale of mighty deeds, he appears a brave fellow and a good lad. But when his merely injured father appears to be killed again, even Christie's true accomplishments disappear under the cloud of murder. Thus this very funny play contains a sharp thorn of truth. And, make no mistake, the movie at the Exeter is a photographed play, not a film at all.

The value of this movie rests

'THE PLAYBOY OF THE WESTERN WORLD,' by John Millington Synge. Screenplay by Brian Desmond Hurst; music by Sean Orlada, produced by Brendan Smith and Dennis O'Dell, directed by Brian Desmond Hurst. Cast includes: Christie Mahon . . . Gary Raymond; Pegeen Mike . . . Siobhan McKenna; Widow Quin . . . Eispeth March; Michael James . . . Liam Remond; Old Mahon . . . Niall McGinnis; Sarah Tansey . . . Finola O'Shannon.

in a good play well acted, and the best performance of the lot is that of Gary Raymond as the self-deluded braggart Christie Mahon. From his first frightened, cringing entrance into the Flaherty shibeen ('bar' to you), through his gusty recounts of his murder, his victories in horse-racing and in wooing, he is a sincere, lovable rogue. He is made drunk by the awe and respect his bloody tale earns him, and his sudden blossoming from innocence into pride and ambition is wholly credible.

This handsome, poetic stranger is fought over by two women: the Widow Quin, who "buried her children and destroyed her husband," and thus feels she can sympathize with the parricide; and Pegeen Mike, twenty and self-willed, who is eager for a real man, instead of the coward to whom she is betrothed.

Eispeth March makes a square, solid, thoroughly realistic Widow Quin. Her frontal attacks are loud and obvious, but once she is convinced of Pegeen Mike's

victory, she works just as genuinely in the cause of true love.

Siobhan McKenna is a magnificent actress, and to many in America she must by now be a synonym for Irish theatre. Unfortunately, it is never possible to forget that the girl you are seeing here is Siobhan McKenna, the uniquely fine Irish actress. Her Pegeen Mike is so much a virtuoso performance, and quite good as such, that it seems to take place detached from the film itself. The inimitable McKenna brogue is as musical and moving as ever, but it more than once distracts from the unity of the performance.

The smaller parts are equally well-filled. Pegeen's father, Michael James, in all his drunken, wake-loving glory, is beautifully played by Liam Remond. Even Old Mahon — whom Christie tries twice to kill, and both times quite unsuccessfully — is a bloody-headed joy in the hands of Niall McGinnis.

The girls of County Mayo, a quartet of eager, barefooted beauties, are led by a bright, bouncy imp named Sarah Tansy. Finola O'Shannon is her name off-camera, and she adds much to the play by her big performance in this small role.

For, again, make no mistake. There is not an ounce of filmic art in this whole production. In fact, several shots are noticeably out of focus. The camera has added to the play sweeping shots of Irish coastline, and it has inserted the actual triumphs of young Christie in horse-races and fisticuffs and even dancing. But, with few exceptions, neither the camera nor the color has added anything valuable to this performance of Synge's play. Nevertheless, the play, and the performance, are quite worth seeing in themselves.

**Boston International Film Festival  
Presents**  
**"WAR AND THE NUCLEAR AGE"**  
A Program of Films on Peace  
Donation \$1.50

Friday, April 19th, 8:30 P.M. at John Hancock Hall  
Following showing of films, subscribers to the Festival are invited to a Biersteuben in the Dorothy Quincy Suite.  
For Information Call CO 2-9264  
Tickets Are Available at John Hancock Box Office

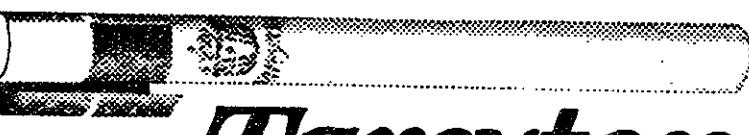
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**South Seas**

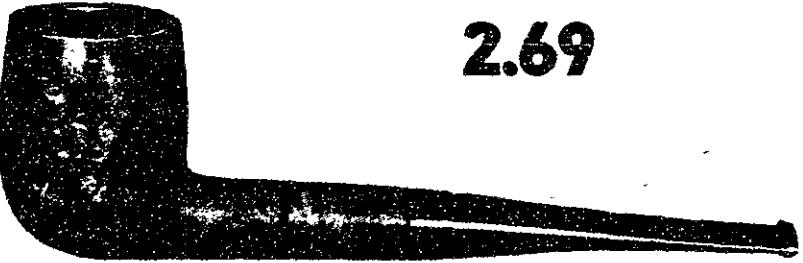
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Starting Friday:  
**"To Kill a Mockingbird"**  
2:00, 4:30, 7:00, 9:20  
Next Wednesday:  
Concert by  
Ferruccio Tagliavini,  
tenor — 8:30  
BRATTLE SO. TR 6-4226 open  
  
**"Odd Obsession"**  
plus short subjects  
5:30 7:30 9:30 — Sat. mat. at 3:30  
Sunday-Tuesday-Wednesday  
**"Cleopatra from Five to Seven"**  
5:30 7:30 9:30 — Sun. mat. at 3:30  
No Shows Monday, April 22

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Competitions such as the Daytona 500 are car killers. Piston rings can fail, transmissions can be demolished and engines blow up under these maximum efforts. It's a grinding demand for total performance and Ford-built cars proved they could take it better than any of the others.

Quite an eye-opener for car buyers. And conclusive proof that superior engineering at Ford Motor Company has produced more rugged engines and transmissions, sturdier bodies and frames and better all-round durability for today's Ford-built automobiles.

**Making the Scene**

S	M	T	W	T	F	S
17	18	19	20			
21	22	23	24	25	26	27
28	29	30				

stated by Erich Segal, April 23-27, \$8.00.

**MISCELLANEOUS**  
'What Price Coexistence'—Ford Hall Forum; lecture by William Chamberlain, Christian Science Monitor correspondent in Russia, and Prof. Frederick Schuman, of William College, April 21, 8:00, Jordan Hall; Potluck Party—April 22, 7:00, Institute of Contemporary Art.

Contemporary German Books—on display now through April 23, Building 7 lobby.

Drawings and Watercolors—by Cong Metcal, through May 5, 10:00 to 5:00 weekdays, 1:00 to 5:00 week ends, Hayden Exhibition Gallery.

European Art, 1895-1914—through April 21, 9:00 to 4:30, 2:30 to 5:30 Sunday, Jewel Arts Center at Wellesley College, works of Cezanne, Kandinsky, Picasso.

'Problems of Evolution in North Africa'—Dr. Gamil Abul Naser and Idris Jazairy, of Harvard, April 21, 8:00, International Student Association.

**NEXT WEEK**

**MUSIC**

Piano Ensemble Music—New England Conservatory, April 24, 8:30, Jordan Hall; works of Bach, Couperin, Brahms, Shapero, Mason; free.

Ferruccio Tagliavini—tenor, April 24, Harvard Square Theatre, 8:30.

\$5.00, \$4.00, \$3.00.

Patrick O'Hagan—Irish tenor, April 26, Symphony Hall, \$4.50, \$3.50, \$2.50.

The Limeliters folk concert—April 27, Symphony Hall, \$4.75, \$3.75, \$2.75.

Boston Pops—opening April 30, Symphony Hall, evenings, 8:30, except Monday; Sunday 3:00, 8:30; \$3.50, \$3.00, \$2.50, \$2.00.

'The Trial'—MIT Dramashift, April 24-27, 8:30, Kresge Auditorium Little Theater, \$1.50.

'The Church and the Pub'—Ford Hall Forum, the Rev. Jack Meldohn and Msgr. Edward Murray, April 28, Jordan Hall.

**At the Coffeehouses**

**Cafe Yana**

50 Brookline Ave.  
Near Kenmore Square  
through Apr. 20—Surprise show

**The Unicorn**

825 Boylston Street  
through Apr. 28  
Rambling Jack Elliott

**Club Mt. Auburn 47**

47 Mt. Auburn Street  
today—Tom Rush

Thursday—Charles River Valley Boys

Friday—Frank Hamilton of the Weavers, Geoff Muldaur

Saturday—Frank Hamilton, Robert L. Jones

Sunday—afternoon: music workshop; Guitar Workshop 1-3; Banjo workshop 3-5; evening: hootenanny

Monday—Film: 'The Inspector General'

Tuesday—Jackie Washington

**Shapley to give lecture  
on 'Galaxies and life'**

Dr. Harlow Shapley will speak on 'Galaxies and Life' in Kresge Auditorium, April 25 at 8 pm.

Dr. Shapley, a life member of the MIT Corporation, was director of the observatory at Harvard from 1921 to 1952 and then became Paine Professor of Astronomy from 1952-1956. He is now a Professor Emeritus. From 1914 to 1921 he was at Mount Wilson Observatory.

His lecture, sponsored by the Lecture Series Committee, will be accompanied by slides. It is free and open to the public.

Throughout his career Dr. Shapley has received many scientific awards, the latest being the Calcutta Science Society Medal and the Crux de Honor.

He is the author of many books and journals. The most recent are 'The Inner Metagalaxy' and 'Of Stars and Men.'

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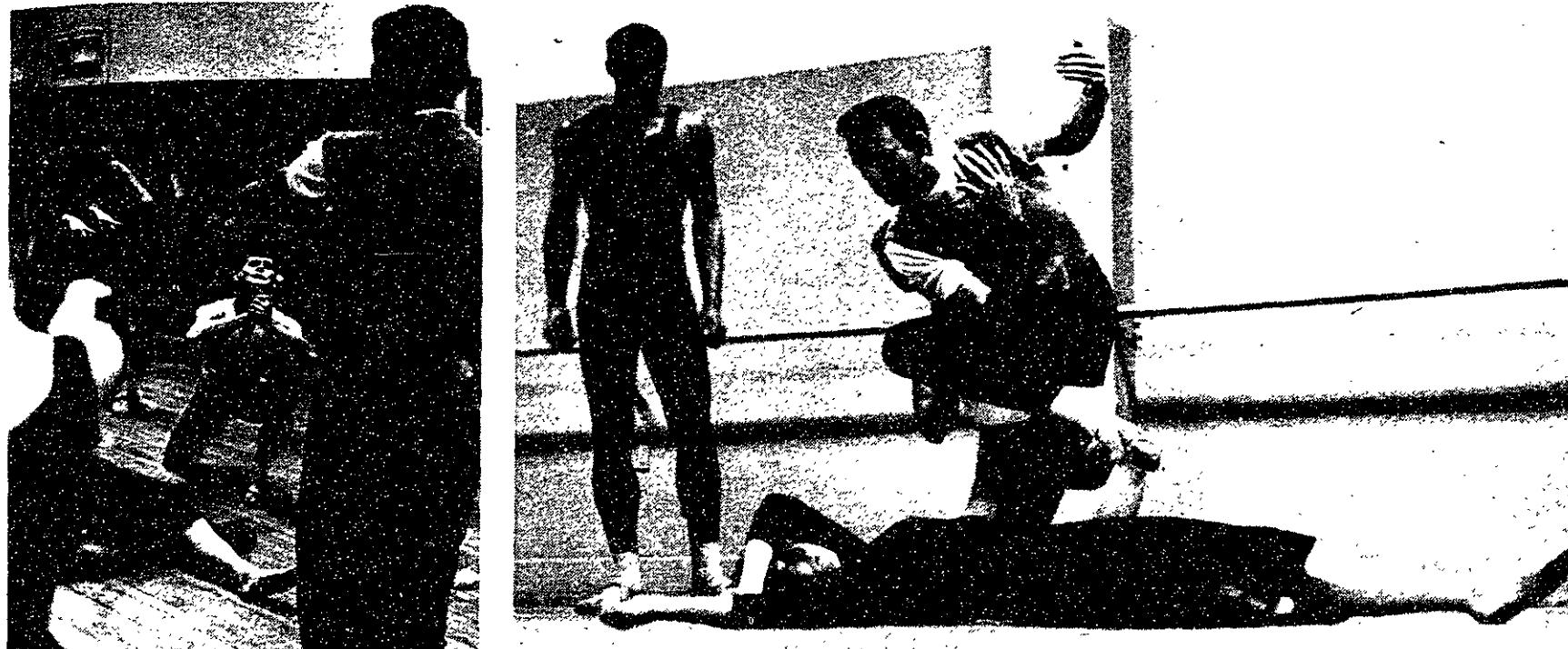


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WHERE ENGINEERING LEADERSHIP  
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## Ballet troupe revives Piston's 'Incredible Flutist'



In this scene from the 'Incredible Flutist,' the merchant James Neuff (left) faces the accusing fingers of the townspeople (right). Then the flutist (William Costanza) awakens the fainting widow (right).

## Boston Dance Theater, MIT Symphony Orchestra to give 3 ballets

The Boston Dance Theater, comprised of students, graduates, and faculty from the Boston Conservatory of Music, and the MIT Symphony Orchestra will combine to present a program of three ballets Friday and Saturday at 8:30 pm and Sunday at 3:00 pm. All performances will be in Kresge Auditorium, under the auspices of the Baton Society.

Featured will be a 25th-anniversary production of Walter Piston's 'Incredible Flutist.' Although the orchestra suite from the ballet is often heard, this will be the first time since 1939 that the 'Incredible Flutist' has been given in its entirety.

The program will also include 'The Seasons,' a classical ballet choreographed by Ruth Ambrose, director of the Conservatory, Ballet Department, to the music of Glazunov, and the world premiere of 'Roots of Sand,' a modern dance choreographed by Robert Gilman of the Conservatory faculty to music by Gerald Siddons.

'The Incredible Flutist' tells the story of a circus snake charmer who is also adept at charming women. He disrupts the order of

a small village, pipes a prudish widow from her swoon (she faints when the merchant kisses her), and leaves with the circus.

Jan Veen, director of the Boston Conservatory Dance Department, choreographed this ballet. He choreographed and danced the lead in the original production of the 'Incredible Flutist,' which premiered in 1938 with the Boston Pops under the baton of Arthur Fiedler.

'Roots of Sand' takes place in a roadside cafe where a woman meets her long-lost lover and realizes that he was never worth waiting for.

Gerald Siddons, the composer, is a graduate of the Boston Conservatory and is currently continuing studies at Brandeis University. This ballet is his first

composition for full orchestra. It was completed in February of 1962.

John Corley, the Symphony Orchestra conductor, initiated this ballet-symphony combination. Previously the Boston Dance Theater had annually given a production at the Boston Conservatory. This is the first time, however, that the theater has collaborated with a large orchestra.

Last year Corley, in an interview with The Tech, said, "Somewhere in the back of my mind there's a vision of the band in the pit at Kresge with a ballet group on stage, performing some of the ultra-moderns. And it shouldn't be more than a few years before this becomes a reality."

Now this vision is a reality on a grander scale than Corley pre-

### Melman to lecture tomorrow evening at 8:00

mission charge will be 50 cents.

The lecture, sponsored by the Student Organization for a Rational Approach to Disarmament and Peace, will begin at 8:00 pm in Room 10-250.

Professor Melman has studied the machine tool industry in the West and in the Soviet Union. Also, he has investigated the problem of disarmament.

Melman headed a project at Columbia which produced the book 'Inspection for Disarmament.' In 1961 he published 'The Peace Race,' which attempted to show how America's unused manpower and industrial capacity could be used to achieve effective disarmament and to compete successfully with the Soviet Union in the economic development of the emerging nations.

Tomorrow's lecture will draw upon material from an unpublished study by Melman and his colleagues on non-military strategies that the United States could use to win the Cold War.

dicted — a sixty-member dance group performing classical as well as modern ballets with the entire MIT Symphony Orchestra in Kresge's pit.

## Dramashop to offer 'Trial'; Adapted by Prof. Everingham



"You can go to Hell!" declares Herr K (Roger Gans) as Bertolt (Gary Feldman) steals the laundress (Joan Tolentino) away from him. Prof. Joseph Everingham directs this rehearsal of Dramashop's production of Kafka's 'The Trial.' Below, Herr K "apologizes" to Fraulein Burstner (Norma Anderson).

—Photos by William Parks

The MIT Dramashop will present Franz Kafka's 'The Trial' as its major spring production April 24 through 27 in Kresge Little Theatre at 8:30.

This production of Kafka's novel about a bank clerk who is mysteriously arrested for an unknown crime has been adapted for the stage by Prof. Joseph Everingham, who will also direct the performance. His adaptation is based on two previously performed adaptations of 'The Trial'; one by Andre Gide and Jean-Louis Barrault which has played throughout Europe, and the other performed off-Broadway by the Theatre 12 Group.

Featured in the cast as Herr K, the bank clerk, is Roger Gans, with Steve Frank and Gary Feldman as the police guards, Joseph Morlan as the examining magistrate, David Liroff as the painter Titorelli, Richard Reese as the law court attendant, Mike Jacobs as Rudi Block, and Rob Lanchester as K's Uncle Albert.

Fred Prahl has done musical settings for the play. Sets were designed by Richard Krasin, with

## Baker, Burton House host Saturday parties

Baker House and Burton House will each host parties Saturday evening. Baker's Las Vegas Party is an informal affair beginning at 8:30 pm in the Baker House Cafeteria. The price is three dollars per couple.

The Burton House B-Ball is a semi-formal dance. Richard Martin and his band will entertain from 8:00 pm to 12:00 midnight. The cost is \$1.50 per couple.

## Wiener will lecture on instrument theory

Prof. Norbert Wiener will speak on 'The Theory of Instruments' at the meeting of the Student Branch of the Institute of Electrical and Electronics Engineers Monday, at 4:00 pm, in Room 10-250.

## Stroemgren to talk on stellar interiors

Prof. Bengt Stroemgren will lecture tomorrow at 10:00 am in Room 2-390, on the 'Theory of Stellar Interiors.' He is a visiting professor from the Institute for Advanced Study at Princeton.

## Dramashop to offer 'Trial'; Adapted by Prof. Everingham



lighting by Larry Valby and costumes by John Leide.

All tickets for 'The Trial' are \$1.50. Reservations can be made by telephone at the Kresge Auditorium box office, extension 2910.

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# Freshmen invited to five orientation programs

## Industrial Management

The School of Industrial Management will present an Open House Monday, April 22, from 4:30 to 6:00 pm in Room 52-461. Dean Howard W. Johnson and several other members of the faculty will speak and answer questions on the field as a whole and on their specific areas of interest.

Industrial management has always been particularly at home at MIT; fundamental training in science and engineering has proved to be an excellent base for the study of management. The manager of tomorrow must be able to deal with technological problems of increasing complexity and to comprehend business problems with a deep understanding of human behavior.

According to Dean Johnson, the student who enters the study of management should be interested in leadership. He should like making things happen and should tend

to see the human aspect of problems, whether in politics or management.

The undergraduate program rests upon the underlying disciplines of the social sciences, especially economics. Subjects in economics, accounting, finance, marketing, production, personnel administration, and statistics are taken. The program is rounded out with 72 hours of science or engineering subjects and five or six electives.

There is a growing tendency in management towards graduate study after an undergraduate education with a strong technical background. The Course 15 program is well suited for such a program, as is the management-minor sequence. Any science or engineering student may complete this program by taking four basic core subjects plus two optional subjects.

## Civil Engineering

The Department of Civil Engineering has scheduled personal interviews with department head C. L. Miller for freshmen interested in Course 1, from 2:00 to 5:00 p.m. Monday, April 23, through Thursday, April 25, in Room 1-163.

Here at MIT, a new philosophy of civil engineering has been instituted. The department has built its program on the five major disciplines of civil engineering—structures, soils, materials, hydraulics, and civil engineering systems—replacing the old emphasis on distinct fields, such as construction and sanitary engineering. The MIT civil engineering graduate receives a grounding in all of these areas before specializing in any one of them.

Laboratory facilities employed in undergraduate education include the Laboratory for Structural Models, operated in conjunction with the Department of Architecture; the Hydrodynamics Laboratory, where studies are

made of water supplies, hydroelectric power plants, and other hydraulic engineering problems; and the Civil Engineering Systems Laboratory, where studies of transportation are undertaken.

The department has its own IBM 1620 computer and works in conjunction with the Interdepartmental Centers for Materials Sciences, Operations Research, and Flight Transportation. Activities in the fields of architecture, city planning, and management are also undertaken jointly with the departments involved.

### Club offices asked to close for A-Ball

Activities Council chairman Robert Popadic, '64, has requested all organizations with offices in Walker Memorial to curtail "non-essential activity" on the evening of the annual Assemblies Ball. Several activities, however, have indicated that they will use their offices as usual that night.

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## Mathematics

The Department of Mathematics will give its open house for freshmen in the Mathematics Commons Room, 2-290, Tuesday, April 23, from 4:30 to 6:00 pm.

The Department offers the most flexible science courses at the Institute, Course 18. Besides the general Institute requirements, only three subjects in mathematics are specified. The course offers both a large number of mathematic electives and ample opportunity to minor in one of the other departments at the Institute.

The field of mathematics is a constantly changing one, a fact not well known because mathematical theory is generally decades ahead of its practical application. The study of mathematics appeals, therefore, to scholars who feel satisfaction in solving a purely abstract problem, those who may someday create a new mathematics.

But the many practical applications of the field make it attractive to those who are seeking some new solution to a physical problem. Everyone is familiar with Einstein's theory of relativity, which he computed mathematically to solve a specific problem, and which was not confirmed empirically until years after it was written. Because of the use of mathematics as the language of science, the course is well suited for one who wishes to take an advanced degree in a scientific discipline. The flexibility of the program and the basic value of mathematics courses make possible a very deep approach to a scientific field.

A variety of professions are represented by the Mathematics Department graduates. High-speed computation, government research, business consulting, teaching—all have positions for qualified mathematicians.

## Nutrition and Food Science

The Department of Nutrition and Food Science will present an open house for freshmen Monday, April 22, in Room 16-310 at 5:00 pm.

Course 20 brings together a mixture of disciplines from many areas of biology, medicine, and engineering to create a relatively new science of food.

The Department of Nutrition and Food Science does not offer a specific undergraduate curriculum, but interested undergraduates may obtain training in this field by fulfilling the biology course requirements and taking electives in Course 20. The department is oriented mainly around graduate study programs, and most of MIT's food scientists go on to graduate school.

Included in the department's current work are studies of the interrelationships and utilization of nutrients by animals, the processing of foods, the extension of food storage time, and the factors involved in the inactivation of bacteria.

Graduates of the Course 20 programs find many opportunities to use their skills in today's world. The food industry is the largest single industry in the United States, and one of the world's oldest. Therefore, many firms are employing increasing numbers of food scientists.

MIT graduates frequently enter government organizations to carry on research, both fundamental and applied, on one of the world's most pressing problems, food. On the international level, through such institutions as the World Health Organization, food scientists are helping underdeveloped countries to help themselves with improved food production.

### TCA elects new officers; Faber chosen president

Technology Community Association recently elected new officers. They are: president, Don Faber; vice president, Jim Griffin; secretary, John Davis; and treasurer, Jim Taylor.

## Chemistry

The Department of Chemistry will hold its open house for freshmen in Room 10-340, Tuesday, April 23, from 4:00 to 6:00 pm.

The main objective of Course 5 is to provide a general education based on science, both for those who seek the bachelor's degree and a career in chemistry, and for those who wish to go on to graduate study and a professional career in chemistry. Thorough instruction in the principles of inorganic, organic, analytical, and physical chemistry is provided along with subjects in mathematics and physics and in the humanities and languages.

Elective time is provided to enable the student to extend his knowledge to fields of special interest. A student who plans to take graduate study may wish to take subjects relating to graduate work; other students may wish to take subjects relating to industry. Elective time may also be used for additional study in humanities.

One of the aims of the course is to stimulate and develop a research attitude; the curriculum provides for a thesis in the fourth year, to enable the student to demonstrate his aptitude for creative effort.

The course is a sequence of required subjects with an opportunity for a choice of restricted electives in three fields of advanced chemistry, additional free elective time, and a liberal policy of substitution. The course leads to the degree of bachelor of science in chemistry.

### Advisory board vetoed by student publications

Activities Council reviewed recent discussions of its Executive Committee at the council's meeting last Wednesday evening.

The Executive Committee met April 3 with representatives of student publications to discuss the possible formation of a common faculty advisory board, said Robert B. Popadic, '64, chairman of the council.

Most publications were adamantly against forming the advisory board, according to council secretary William T. Frangos '65. Frangos said the problems of censorship and control were cited by representatives of the dissenting publications.

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## College World

For the first time in over a quarter of a century, the name of a student has been expunged from the records of Harvard University.

The expunging of a name from the records is the severest disciplinary action Harvard can take and requires a two-thirds vote of the faculty. Prior to last week, the last time such action had been taken was in 1936.

The student involved (who has also been expelled) had been attending Harvard since September, using the name of a student who had been admitted to Harvard and to another college and had chosen to attend the other school. The expunged name is that of the latter student.

The expelled student wrote a letter to Harvard last summer, using the name of a high school friend, and claimed that he had reconsidered his decision not to go to Harvard. He also sent a forged letter of recommendation.

Later in the year, he petitioned the University to have his name changed on the records, but was told a court action would be necessary for such a change. He then withdrew the petition.

Not until February, however, did officials discover the fraud. At that time, a probation notice sent to the student from the Freshman Dean's office became lost in the mails. The student was living off campus and had his mail delivered to a post-office box, registered under the false name. Disciplinary measures were later instituted which resulted in last week's action.

Once a student is expelled and his name expunged from the records, he may never be readmitted to the University.

**Expulsions At Kent State**

Touched off by a recent wave of expulsions at Kent State University is an investigation into the illegal possession of master keys by students. Of the 20 dismissals in the last quarter, 17 were for the use of master keys to steal tests from university buildings. The remaining three were for the theft of books from the University Bookstore.

According to Ronald W. Roskens, Dean of Men, the keys used were duplicates, but not necessarily recently made. "Most have been passed down from student generation to student generation," he said. The Kent State said that most of those expelled were members of the football team.

#### Calling Car 6

Another case of illegal possession has made the news recently, this time at Tulane University. The article in question is a radio, removed one Friday night from Car 6, the Tulane Security Police patrol car. A patrolman reportedly parked the car in back of Robert Sharp Hall to handle "a minor

## Expunction action taken at Harvard Student had used fraudulent name

emergency," and when he returned, the radio was gone.

The radio is thought to be somewhere in Robert Sharp Hall. Loud clicks are heard regularly on the receiver in Security Police Headquarters.

Said the head of the Security Police, "I am amused. It represents an enormous triumph of students over police. It is a legitimate student prank . . . for the time being." And, for the time being, the patrol car is without its radio.

#### The Missing Glasses

Apparently harder to track down than a radio are those cases of missing glasses. The dining services at Oregon State University received a shipment of 18,000 glasses. An inventory at the end of three months showed, according to the OSU Barometer, that 17,725 glasses are missing.

#### Sound Familiar?

"1500 is too damn much!" Does this have a familiar ring? It was the slogan of the day as 300 students at the University of Vermont "welcomed" Vermont Governor Philip H. Hoff to their campus. They were protesting a proposed tuition hike.

Governor Hoff was elected on a platform that called for increased state aid to education. In his speech at the University, however, he stated that a priority list must be established and that primary and secondary schools were higher on this list than the University. "During my campaign, I made it abundantly clear that the University would have to wait."

If the University needs more money, then it is obviously the students who will have to absorb the additional costs, Hoff stated. Thus he proposed a tuition hike to be put into effect next fall, suggesting that in-state tuition be increased by \$100 and out-of-state tuition by \$200.

The student protest was spurred by a pamphlet distributed around the campus by the specially formed 'United Student Committee to Keep Tuition Down.'

#### Sydney Is Modest

This is about the time that some of the smaller, less well-known colleges start to send out brochures to high school seniors in their areas in the hope of increasing the size of their next freshman class. One such brochure went to Sydney Balogh from John Carroll University, a men's school in Cleveland.

Sydney became interested and made the following inquiries: "Are we allowed to have private, 'single' rooms, because somehow I believe my roommate and I would either not get along or we would get along too well."

"I don't mind participating in your ROTC program, but could I possibly be given a choice of uniform style and color?"

"Your thumbnail description of your athletic program sounds exceptional, but I wonder if I could somehow have a physical education class by myself, since I am rather modest?"

Sydney is a girl.

#### More Field House

Radcliffe's Field House was closed last month for "parietal abuses," when school officials termed it a "necking hangout."

New regulations have been drawn up by the Radcliffe Government Association and a faculty committee, and consequently the House reopened Monday. Under the new rules, students will be able to use the Field House until 12:45 am, instead of midnight, as in the past.

The night watchman will make frequent checks on the building and will have the authority to close it if parietal abuses continue. The second floor of the two-story building will be reserved exclusively for student artists.

#### Other Rule Changes

Radcliffe girls will vote next week on a motion to limit the privilege of signing out until any

hour to only juniors and seniors with good social and work records. The Radcliffe Government Association's proposal would have each student's record reviewed by a House committee at the end of her sophomore year to see if she deserved the privilege. The committee would also check each junior's record before renewing the privilege.

Most RGA delegates, in the discussion following the introduction of the motion, appeared to favor the proposal as a method of punishing recurrent social and work offenders.

In another vote, RGA representative decided to consider changing signout rules for sophomores. One motion, to be discussed this week, would grant sophomores the same signout privileges now held by juniors and seniors.

Radcliffe's liquor rules were liberalized by allowing students to serve wine or sherry in the living or dining rooms on special occasions with the permission of the senior resident. They still may not keep liquor in their rooms, however, if they are under 21.

## Work to begin April 25 on 2nd Tech Square bldg.

Ground-breaking for the second Technology Square building is slated for April 25. The new nine-story structure will be a duplicate of the existing one, having nearly 152,000 square feet of rentable space. Surrounding the building will be a parking lot for 460 cars.

Upon completion of present plans, there will be a total of four buildings in the square, with 800,000 square feet of rentable space.

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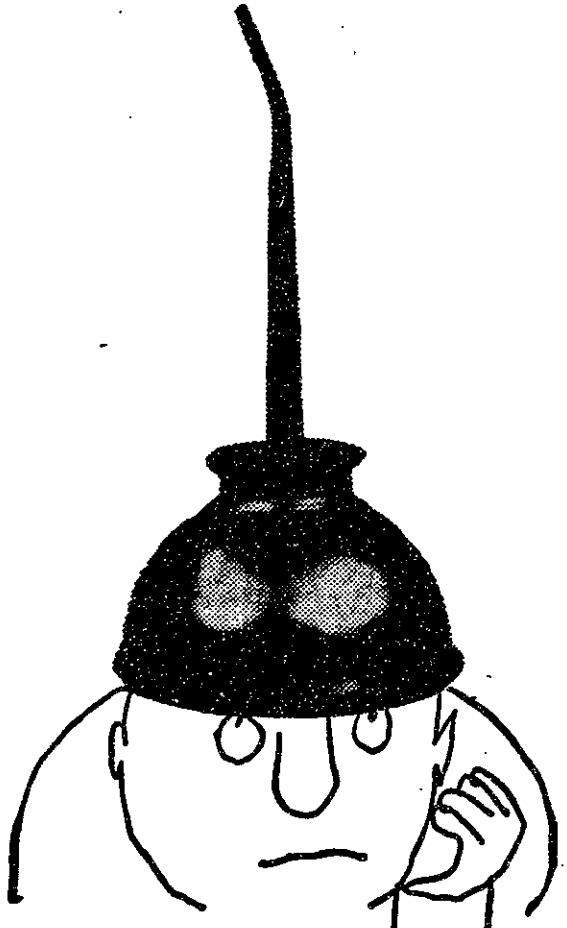
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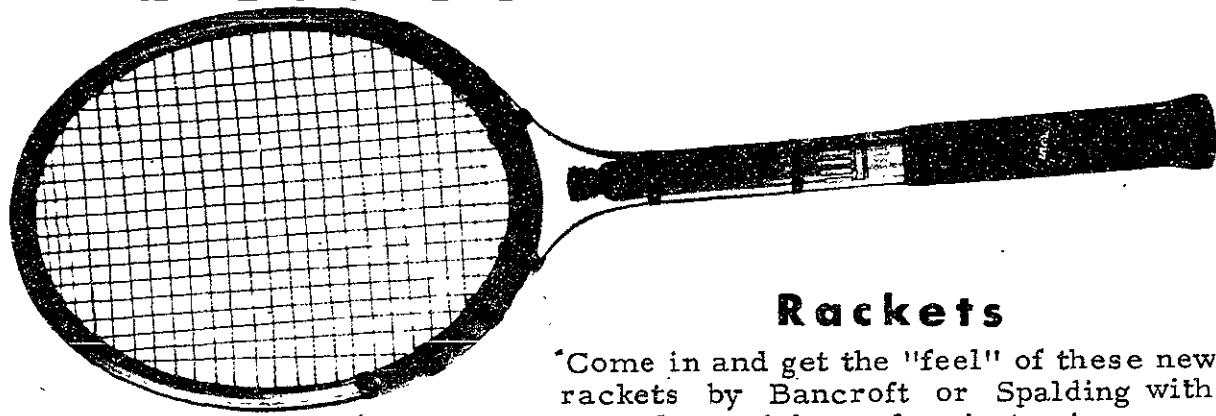
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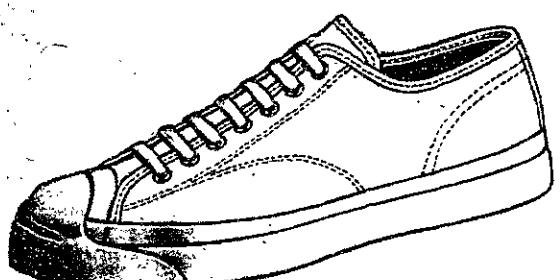
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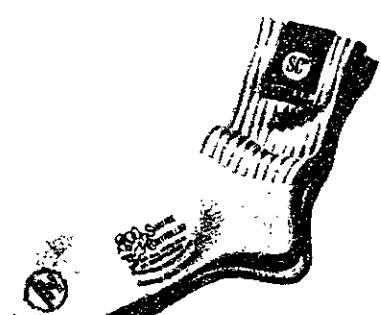
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**THE TECH COOP**

## Dr. Mattfeld versed in music, teaching

By Barbara Cohen

Dr. Jacqueline Anderson Mattfeld, newly appointed associate dean of student affairs, will bring enthusiasm and a background of music and teaching experience to her job here.

Dr. Mattfeld will assume responsibility for MIT's 220 women students in July. She comes here from Radcliffe, where she is now associate dean of instruction, and dean of East House.

Dean Mattfeld stated that MIT was probably the only place that could have lured her away from Radcliffe. Radcliffe has been kind to her, she said, and she leaves it with "very mixed emotions."

At MIT her work will involve counseling and planning academic and extracurricular programs for the increasing enrollment of women students, as well as planning residential and extracurricular programs for the entire student body in association with faculty and student-faculty committees.

Dean Mattfeld already has many ties to the MIT community. Her husband, Dr. Victor H. Mattfeld, is an MIT associate professor of music and Institute organist. Her brother, David Malone Anderson, is a premedical student in the Class of 1964. She has caught her husband's enthusiasm for MIT students, and has added some from her own plentiful supply.

Dr. Mattfeld is herself a musician and a member of the Music Department at Harvard. She was at first concerned that her liberal arts background would be a handicap in dealing with MIT students. Dean Fasset and Dean Wadleigh reassured her, however, that her activities in her own field would be sufficient preparation for counseling young women training to enter the professions.

Dean Mattfeld regards her position not as a job, but as a way of life. She feels that a college dean is a public servant, and should be available to meet the needs of the community at all times. Her home, across from the Radcliffe quadrangle, is always open to students. Although the Mattfelds will not live on campus at MIT, they hope to continue to see students informally at their new home in Belmont.



Newly appointed Associate Dean of Student Affairs Jacqueline Mattfeld with her husband Prof. Victor Mattfeld of the music department, and their two children Stefanie 10 and Felicity 8.

Dean Mattfeld said she had not expected to find Tech. coeds much different from Radcliffe seniors. The average Radcliffe girl, she said, is extremely intelligent, sensitive and perceptive. She had thought MIT girls would be much the same. She did find them more informal and less shy than the Radcliffe students. At the tea given for her April 8, by the Association of Women Students, she was pleased to find that the students were warm and receptive.

The Mattfeld family includes two children, Stefanie, 10, and Felicity, 8; a dog; and two Siamese cats. Mrs. Mattfeld bicycles to work on a bike equipped with oversized baskets to carry her briefcase and dictating machine. She swims, hikes,

skips rope, and takes weight-lifting lessons from her brother. She also bakes cakes, participates in informal musicals with her family, and finds lost briefcases.

Originally from Baltimore, Dean Mattfeld attended a public high school there, and then went to Goucher College on a scholarship. She was elected to the Phi Beta Kappa Society at Goucher and went on to study at the Peabody Conservatory of Music.

In 1959 she earned a Ph.D. in music history at Yale. There she met her husband, and she married him at the end of her first year of graduate study at Yale. Mrs. Mattfeld has taught music at schools in Maryland, Connecticut, New Jersey, and New York City.

From 1956 to 1958 she taught music theory and set up the music curriculum for the preparatory dept. at the New England Conservatory of Music. In 1960 she was appointed director of financial aid at Radcliffe and a member of the faculty of music at Harvard.

Mrs. Mattfeld has written several articles on music history, one of them as co-author with her husband. She does not plan to teach music at MIT.

### Five faculty members are award recipients

(Continued from Page 1)

Dr. Benedict's award, in industrial and engineering chemistry, was granted "for important services to the nation in connection with the development of nuclear energy and for his work in nuclear and petroleum technology." Dr. Benedict has been head of the Department of Nuclear Engineering since its establishment in 1958.

Prof. Hume won the award in analytical chemistry "for his establishment of a teaching curriculum in analytical chemistry, his research in analytical chemistry, and his outstanding record as a teacher." Dr. Hume is a professor of chemistry.

Both Dr. Benedict and Dr. Hume worked for the Manhattan Project on the production of materials for the first atomic bomb.

### Rorke asserts student took part in Cuba raid

(Continued from Page 1)  
there has been some dissension in the ranks. After returning from a trip in which Rorke nearly steered the boat into a Cuban naval stronghold, a near mutiny occurred in a Miami bar.

### Interviews for Secretariat to close; Extended 3 days

Interviews for the selection of next year's members of the Secretariat close today, after being extended three days because of the large number applying.

Approximately 65 students have applied. Of these, 15 to 20 will be selected, according to Mark Hanson '65, public relations chairman for the Secretariat. Selection will be made within the next few days, he added.

This year the intramural track meet will be held Sunday, May 5; in case of rain the meet will be postponed to May 12, the following Sunday.

There will be seven running events and three field events. No contestant may compete in more than two running and one field event or two field and one running event.

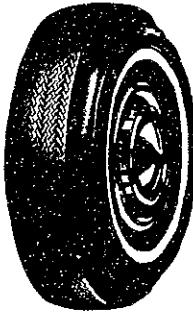
**FIELD EVENTS:** high jump, broad jump, shot put.

**RUNNING EVENTS:** 220 yd. dash, 100 yd. dash, 440 yd. dash, 880 yd. run, mile run, 880 yd. medley, 880 yd. relay.

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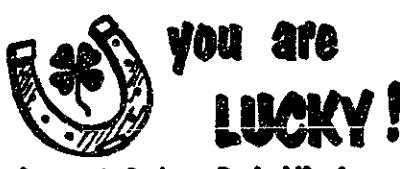
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MIT's swimming teams completed the season with annual banquet last week. Professor Avery Ashdown, Professor Alan Lazarus and Mr. John Murphy were guests at the affair. The banquet was highlighted by the election of Bob Bachrach, '64, and Brody, '65, as co-captains of next year's team. The annual award of the Captain's Trophy for the most improved swimmer was presented to Brody. Charlie

Einolf, '63, received the Coaches' Trophy for the most inspirational swimmer. Tech's Swim Club announced its newly elected members. These are Sandy Blanchard, '65; Eric Jensen, '64; Cassius Peacock, '65; and Richard St. Peters, '65.

#### Varsity Lettermen

The seniors winning varsity letters included Steve Colburn, Charley Einolf, Ron Mathin, Joe Schrade, Lauren Sompayrac (captain), and Lou Thompson. The juniors were Bob Bachrach, Bob Geroch, Bob Grant, Eric Jensen, and Ian Rudnick (Manager). The sophomores included Arthur Blanchard, Bill Brody, Frank Mechura, Cash Peacock, and Dick St. Peters.

Junior varsity letters were awarded to Henry Goldfein, John Greves, Mike Huke, Steve Shover, Bob Sundberg, and Bill Huntington.

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awarded to Richard Breinlinger, Richard Cockerill, Carl Jones, Louis Kleiman, Douglas McQueen, Edward Miller, John Mills, David Pepperberg, William Plice, Roger Rasmussen, Joseph Smullin, Forrest Stoddard, John Torode, Paul Trimmer, and Clinton Winant. Freshman managers winning numerals were Rafael Camerini, Fred Centanni, Ken Kaiser, and Ernest Sabine.

## Barry proposes ball speed-up

Tech baseball coach Jack Barry has proposed that the Greater Boston Collegiate Baseball League adopt several rules to speed up the progress of games.

Barry proposed these eight rules: (1) two warm-up pitches between innings; (2) five warm-up pitches for a relief pitcher, unless he is already in the game at another position; (3) pitcher can tell an umpire to award an intentional pass; (4) a courtesy runner can be allowed at any time for the pitcher; (5) a courtesy runner would be allowed for the catcher after two out; (6) all players except pitchers must run on and off field between innings; (7) "on-deck" hitters must take position promptly; and (8) infielders not to throw ball around between innings.

The Tech nine's recent Southern trip included four speed-up games, none of which lasted more than two hours and ten minutes.

Barry's proposal, according to the Boston Herald of April 9, has met with objection from some of his fellow coaches. Boston College mentor Eddie Pellegrini objected that these rules might be practical in the warm South, but that in this area players needed warm-ups to prevent sore arms.

Coach Norm Shepard of Harvard thought that the rules did not provide any great advantages over, or any great differences from the present system.

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#### THE ANSWER:

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## Ruggers win in first game

By Susan M. Rogers

The rugby team trounced Boston's Rugby Club 17-5 Saturday on Briggs Field in its first game of the season. The greater stamina of Tech proved decisive in the second half as the Engineers plunged ahead to win over the more experienced but much older Boston players.

Both the Boston and Tech scrums averaged over 200 pounds each and initially seemed evenly matched. Play was loose and ball handling a little ragged on both sides. Some of the Tech fifteen were playing new posi-

tions and others were playing rugger for the first time Saturday.

Scoring for Tech were Marty Weber, Larry Pitts '63, Ed Roberts, and Derrick Bell-Jones (twice). Against a brisk breeze John Lees kicked a successful conversion after the fourth try.

Said optimistic Captain Marty Weber, "We have a much better team this season, and we're going to win lots more than we're going to lose." Tech takes on Wesleyan's Rugby Club here Saturday at 1:30 p.m.

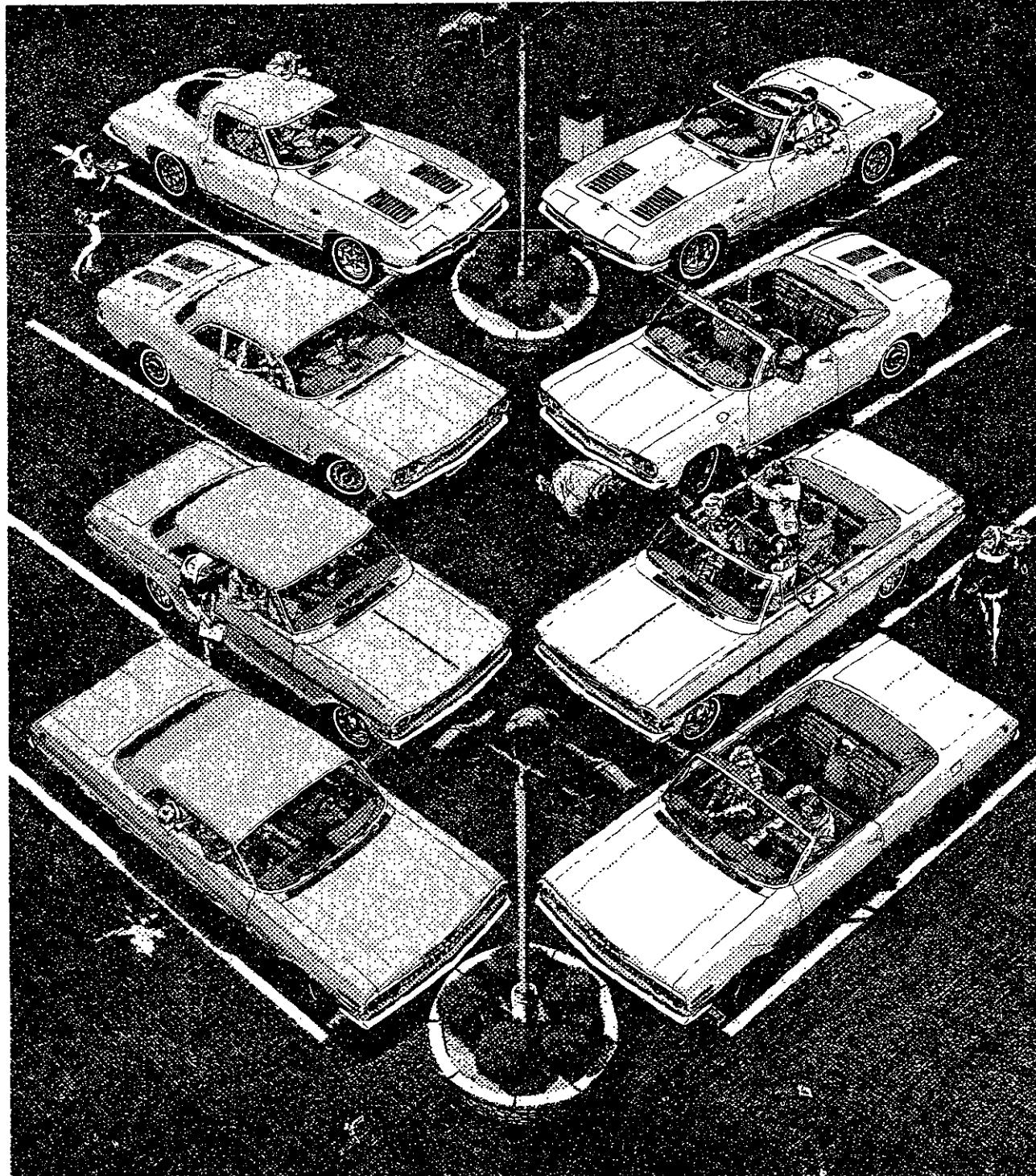
## Sailors finish fourth in regatta at Brown

MIT's varsity sailors finished fourth in a field of ten squads in their meet at Brown University last Saturday. Tech sailors Dave Hoover '63, and Scott Hynek '65 were bested by Brown and Dartmouth.

The freshman team, sailing at Tufts, also had disqualification troubles and could only manage

to gain a fourth out of eight boats behind Wesleyan, Dartmouth, and Harvard. Team captain Terry Cronberg and Joe Smullen together took three firsts and a second. But Don Schwanz and Bob Hatch became involved in rule infractions, which was the determining fact in the team's standing at the end of the day.

*From the top—Corvette Sting Ray Sport Coupe and Convertible, Corvair Monza Spyder Club Coupe and Convertible, Chevy II Nova 400 SS Sport Coupe and Convertible, Chevrolet Impala SS Sport Coupe and Convertible. Super Sport and Spyder equipment optional at extra cost.*



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## Burton tallies 59

## One-sided games mark intramural softball action

The second weekend of intramural softball was peppered with several close, well-fought contests, and several contests which were not so close.

**Burton B Swamps PBE**

The most interesting game of the week was an abbreviated contest between Burton B and PBE which was called after three innings. This was more than enough time, however, for Burton B to score 18 runs in the first inning, 17 in the second, and 24 in the third to finish the game with a grand total of 59 runs. PBE did, however, manage to escape being shut out by scoring 2 runs in the third inning.

Led by Dick Hawks '65 and Steve Fletcher '65, LCA swamped SPE 33 to 3. Hawks had a remarkable day going 4 for 5, and getting most of his hits with men on base.

**Paradise Cafe Romps**

Last year's winner Paradise

Cafe, led by the sparkling pitching of Junior Bob Hobbs, defeated Club Latino 17 to 4. Hobbs' fast ball was almost untouchable as Club Latino batters fanned continually.

**AEPI, TEP, TDC WIN**

Alpha Epsilon Pi, behind the pitching of Gerry Katz '65, romped to a 15-1 victory over Delta Kappa Epsilon. In two very close contests, Tau Epsilon Phi slipped by Grad House Dining Staff 13-12, and Theta Delta Chi edged out

Phi Kappa Theta in a free-for-all 19-18 contest.

### RESULTS

Student House 19	Chinese Students 5
Paradise Cafe 17	Club Latino 4
SAM 19	TC 11
PSK 13	Nec. Eng. 12
East Campus 10	GMS 2
TDC 19	PKT 18
Burton B 59	PBE 2
PGD 21	Grad Ex. 13
Burton A 26	ATO 11
ZBT 11	Baker A 6
PKS 23	NRSA 8 9
UCF 1	KS 0 (forfeit)
SAC 13	PMD 3
SR. House 16	Baker B 6
AEPI 15	DKE 7
SAM 12	Student House 2
TEP 13	CDHS 12
LCA 33	SPE 3
Grad 1	CP 6 (forfeit)
PLP 21	NRSA 2

## Ping pong teams seek league leads as championship tourney approaches

By Dick Minnick '65

All forty-six intramural table tennis teams saw action last week. With only three more evenings of play remaining, the leaders in each league are almost certain to enter the final playoffs. The top two teams in each of the major division leagues and the top single team in each of the minor division leagues will enter the finals to determine the ranking of the top twelve places. There will probably be a secondary playoff among the third place major league teams and the runner-ups in the minor division to decide the thirteenth through twentieth ranking.

**Baker Looks Strong**

Baker House, which finished first, second, sixth, and sixteenth last year, looks equally strong this year. Two of their four teams are leading their leagues and the other two are in second place. Baker is almost certain to have at least three teams in the finals. Baker A is the favored team with two of the members of last year's championship team. Richard Bernhard '63 and Stan McKenzie '64 seem to be filling the gap left by the graduation of ace-player Alan Bell '62.

**Two Burton Teams In Lead**

Burton House is doing almost as well with two teams in the lead, two in second, and one in third place in their respective leagues. Burton A looks very strong with Pat Caulfield '64, Dave Doel '63, and Dave Wachsmann '64, all members of last year's fifth place Burton Dining team. Burton C is also doing well, backed by Steve Lawrence '65,

and Steve Bolt '64, members of last year's fourth place team.

In the minor division, Phi Delta Theta A leads league 8. Alpha Epsilon Pi A topped Phi Delta Theta B to take the lead in league 7. Phi Beta Epsilon and Phi Kappa Theta A are fighting for league 5 honors while Sigma Alpha Epsilon A seems assured of victory in league 6.

### Major Division League I

Baker A	W
Burton D	2
East Campus A	1
Chinese Students Club C	3
Graduate House B	3
Senior House C	2

### League II

Burton A	2
Baker B	1
Chinese Students Club D	2
East Campus B	1
Chi Phi A	2
Grad. House C	4

### League III

Baker C	4
Senior House A	0
Burton B	2
Alpha Tau Omega	1
Chinese Students Club A	3
Delta Kappa Epsilon (withdrawn)	0

### League IV

Burton C	3
Graduate House A	1
Baker D	2
Senior House B	2
Lambda Chi Alpha A	1
Minor Division Standings	3

### League V

Phi Kappa Theta A	4
Phi Beta Epsilon	0
MIT Student House	2
Lambda Chi Alpha B	3
Chi Phi B	0
Club Latino	4

### League VI

Sigma Alpha Epsilon A	4
Burton E	3
Sigma Alpha Mu	2
Phi Kappa Theta B	1
Phi Sigma Kappa B	3
Phi Mu Delta A	3

### League VII

Alpha Epsilon Pi A	3
Phi Delta Theta B	0
Sigma Alpha Epsilon B	2
Phi Sigma Kappa A	1
Delta Tau Delta	3
Sigma Phi Epsilon B	0

### League VIII

Phi Delta Theta A	3
Sigma Chi	1
Sigma Phi Epsilon A	2
Alpha Epsilon Pi B	1
Sigma Alpha Epsilon C	0
Phi Mu Delta B	4

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## Cindermen outscored by Williams

By John Rible

MIT's trackmen were defeated by Williams 77-58 last Saturday in Tech's second meet of the year. The Engineers scored seven firsts in the fifteen event meet. Bill Eagleson '64, leaped six feet to win the high jump and also took the javelin contest with a throw of 162 feet, 3 inches. Mike Keehner '65 placed third in both the javelin and the pole vault, while Kim Sloat '64 and Bill Remsen '64 took second and third in the shot put. Williams took the discus event, but Jerry Dassel '64 and Jim Kotanchik '64 placed second and third in the hammer throw while Dave Carrier '65 placed second in the broad jump. The Techmen travel to Andover to meet Tufts next Saturday.

Hurdlers Win Twice

Al Tervalon '65, Terry Dorsch '65, and Jim Flink '64 finished in that order in the 120 yard high hurdles. Dorsch and Tervalon returned to place first and third in the 220 yard low hurdles. Flink won the 100 yard dash in 9.9 seconds, and was second in the 220 yard dash. Tom Goddard '63 won both the half-mile and the mile events to share high scoring honors with Eagleson. Mike Oliver '65 came in third in the mile run and Roger Butler '64 and Jim Kotanchik '64 placed

second and third in the hammer throw while Dave Carrier '65 placed second in the broad jump. The Techmen travel to Andover to meet Tufts next Saturday.

## Fresh sports

### Sluggers win in twelfth

By Mike Newhouse

Starting pitcher Larry Calof went all the way in a twelve inning win Saturday as the freshmen nine defeated Middlesex School 6-5 in the season opener. Calof walked one and fanned 17 while allowing seven hits in the contest. Tech took a one-run lead in the first inning when second baseman Ron Chang singled and stole second. A single by Mike Newhouse brought him across. Tech was never behind from this point.

#### Middlesex Rallies In Ninth

In the ninth inning Middlesex rallied from a 4-2 deficit to tie, sending the game into extra innings. Catcher Phil Bendick singled home one run in the twelfth, and Jack Mazola scored the winning run on a passed ball. Tech held Middlesex to one run in the bottom of the twelfth to win 6-5.

Calof led the MIT attack with a double and a triple at the plate. Tech collected 12 hits in all.

#### Ross Sets Broad Jump Mark

Rex Ross set a new record in the broad jump as the trackmen downed Williams 70-56. Ross startled the field by outdoing even the varsity with a leap of 22 feet, 7 inches. Ross also took first place in the 100-yard dash and the javelin throw. Rusty Epps and Larry Schwoerl finished in a tie for second in the 220-yard dash. Sumner Brown, won both the 880-yard and the mile runs. Tom Jones took first in both the high jump and the 120-yard high hurdles. Joe Rife placed first in the hammer throw, as Flint Watt finished third. Hugh Hawkes took second and Fritz Schaeffer placed third in the pole vault.

#### Lacrossemen Split

The Lacrossemen opened their season against Cambridge Prep

School Wednesday with an 8-2 win on the home field. Pete Kirkwood was the high scorer for Tech with 4 goals. The Techmen absorbed their first loss at the hands of Governor Dummer Academy, 10-1, last Saturday. Pete Grant scored the single goal for MIT.

The netmen began their season last Wednesday by defeating Browne and Nichols. Paul Ruby, Tech's No. 1 man, lost in a close three sets to the No. 3 ranked player in New England. All other Tech entries won their matches.

Saturday the team met Andover, and all but one of the Techmen lost. The single standout was Dick Thurber's 10-8, 12-10 victory over Steve Devereaux. Devereaux, from Florida, is fourth ranked in the Southeast while Thurber is a past New Mexico singles champ.

### How They Did

#### Baseball

Northeastern 13—MIT 3  
Boston College 10—MIT 6  
WPI 8—MIT 5  
MIT 3—WPI 1  
MIT (F) 6—Middlesex School 5

#### Crew

MIT (V) Defeats BU  
MIT (JV) Defeats BU  
BU (F) Defeats MIT (F)

#### Lacrosse

Harvard 9—MIT 5  
Union 4—MIT 3  
MIT (F) 8—Cambridge School 2

#### Tennis

Harvard 7 1/2—MIT 1 1/2  
Williams 5—MIT 4

#### Track

Williams 77—MIT 58  
MIT (F) 70—Williams 56

### On Deck

Wednesday, April 17

Baseball—Brandeis, Away, 3:00 pm,  
Milton Academy (F), Home,  
3:00 pm  
Tennis—Gov. Dummer Academy  
(F), Away, 3:00 pm  
Track—Gov. Dummer Academy  
(F), Home, 3:00 pm

Thursday, April 18

Golf—Trinity, Williams, Home,  
1:00  
Lacrosse—Dean Junior College (F),  
Home, 3:00 pm  
Tennis—Bowdoin, Home, 2:30 pm

Friday, April 19

Sailing—Rudolph O. Oberg Trophy  
at MIT  
Tennis—Colby, Home, 2:00 pm,  
Harvard (F), Away, 3:00 pm  
Track—Tufts (V), Home, 12:30 pm

Saturday, April 20

Baseball—Bates, Home, 2:00 pm,  
Dean Junior College (F), Home,  
2:00  
Heavyweight Crew—Columbia at  
Cambridge

Lightweight Crew—DURAND CUP,  
Dartmouth, Yale at New Haven  
Lacrosse—New Hampshire, Home,  
1:30, Harvard (F), Away, 2:00  
pm

Rugby—Wesleyan, Home, 1:30 pm  
Sailing—Boston Dinghy Club Trophy  
at New London (also Sunday)

Tennis—Wesleyan (V&F), Away,  
2:00 pm

Track—Tufts (F), Andover (F),  
Home, 2:30 pm

Sunday, April 21

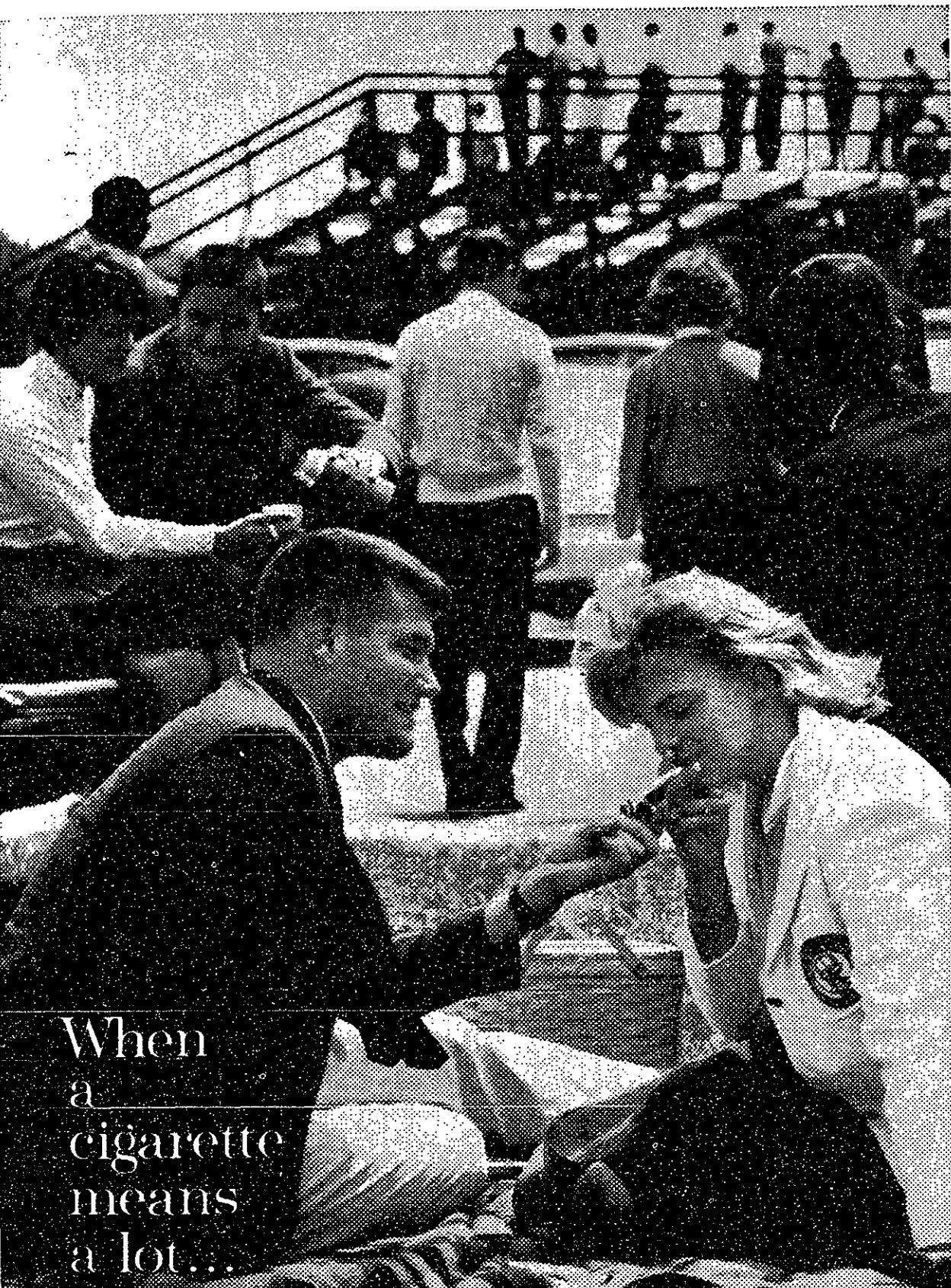
Sailing—Boston Dinghy Club Trophy  
at New London (continued from  
Saturday); Elimination at Tufts  
(F)

Monday, April 22

Golf—Harvard, Home, 1:00 pm

Tuesday, April 23

Baseball—Tufts, Home, 3:00 pm,  
Tufts (F), Away, 3:00 pm



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